

This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

#### Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

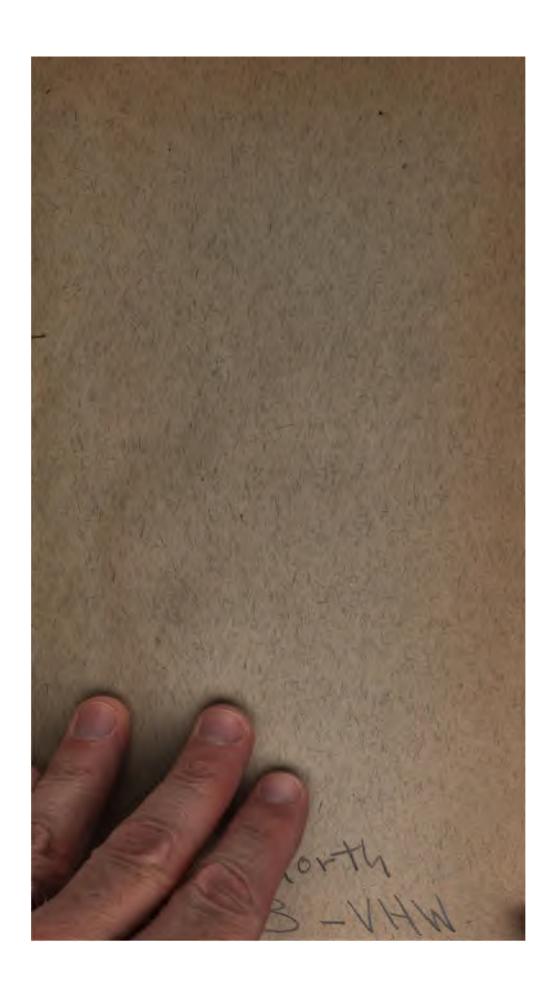
- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + Refrain from automated querying Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

#### **About Google Book Search**

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at http://books.google.com/







## AN ACCOUNT OF THE STRATA

OF

## NORTHUMBERLAND AND DURHAM

AS PROVED BY

# BORINGS AND SINKINGS.

F-K.

ISSUED BY THE COUNCIL OF THE NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS.

Published for the institute by andrew reid, printing court buildings.

1885.



## AN ACCOUNT OF THE STRATA

01

## NORTHUMBERLAND AND DURHAM

AS PROVED BY

## BORINGS AND SINKINGS.

No. 836.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat.

, Long.

Section of Strata at Fallowfield, on the East side of the North Tyne, from the Little Limestone.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Limestone (Little	Fs. Ft. In. Fs. Ft. In. Brought forward 7 1 0
Limestone) 4 2 7	Plate and grey beds 1 1 0
Plate 1 5 0	Hazel 14 5 7
COAL, good 8 0	Plate 14 5 8 Limestone (Great
Band 0 9	Limestone (Great Limestone) 10 0 0
COAL, inferior 1 8	41 0 8
$\phantom{00000000000000000000000000000000000$	
Carried forward 7 1 0	Total 48 1 8

No. 837.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. 55° 0' 9", Long. 2° 6' 45".

Section of Strata at Half-Way Pit, Fallowfield.

Approximate surface level 392 feet above sea (Ordnance datum).

Freestone 9 3 0  Blue plate 6 1 0  Sand or freestone 1 4 0  Black plate 9 3 0  Limestone (Little  Limestone) 2 5 0	Brought forward 29 4 0 Girdle, mixed with dark blue plate 2 5 0 COAL 0 5 6 33 2 6
Carried forward 29 4 0	. Total <u>*33 2 6</u>

<sup>\*</sup> Approximate sea level 1911 feet below this.

## No. 838.—FALLOWFIELD.

#### TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. 55° 0' 35", Long. 2° 6' 21".

Account of Strata sunk through at Fallowfield.

Soil, rubble clay, &c.			In.	Fs.	Ft.	In.	Brought forward				Fs.		In.
Plate and coal (2 in.)	100	-	0				Hazel and grey beds	2	5	ô		-	-
Plate and grey beds	6	3	0				COAL - Fallowfield	-		-			
Bastard limestone,	0	0	0				Seam	0	5	0			
	0	1	0				13cam	0	0	0			
with cockles		5	ő					-	-	_	50	3	0
Grey beds and plate	1						Grey beds	1	0	4			
Limestone	0	2 4	0				Hazel	î		9			
Hazel and girdles	0	4	6				Plate		ĭ	0			
COAL — Oakwood		4	-				Dun bastard limestone	2		o			
Seam	0	1	6				77	6	0	0			
	_	_	_	16	2	0	Light coloured lime-	0	-	0			
S 1	-	-	0						0	^			
Sandstone	1	1	2					1		0			
Grey beds (plate and			-				Grey beds						
ironstone)			0					10		0			
Sandstone	0	3	0				Plate }	12	_	11			
Grey beds (plate and	-						(	1	3	7			۲
4 inches of coal)	0		10				Limestone (Great						
Strong grey beds							Limestone)	6	2	0			
Sandstone	3	1	0				Grey beds (black band						
Grey beds	0	3	4				and coal)	2	1	0			
Hazel and sandstone	0	3	6				Hazel		3	0			
Grey beds (plate and							Plate			0			
coal)	0	2	8				Limestone and coal		-	-			
Coloured sandstone	1	0	5				(2 inches)	3	3	4			
Plate	0	4	4				Grey beds and coal	-	-	-			
Grey beds	0	2	4				(6 inches)	2	4	8			
Hazel	2	2	2				White post, with coal	-		0			
Dark coloured mica-	-	-	-				The state of the s	0	0	0			
ceous post	0	2	9							0			
Hazel and sandstone	5		0				TW. 1	2	2 2	0			
Strong girdle beds	100	_	10					4	2	0			
Plate and grey beds		1					COAL, splint (black	-					
** *	-	4	0				bands)	0	3	0			
		3						_	_	_	77	4	7
Plate and grey beds	9	3	U								-		_
Limestone (Little	0	-	0				Total			1	144	3	7
Limestone)	2	5	0				2000		.,.	=		_	_
							Hazel, unknown. Sup-						
	-	-		-		1	posed 30 fathoms						
Carried forward	46	4	4	16	2	0	to Whin Sill.						

<sup>·</sup> Approximate sea level (Ordnance datum).

#### No. 889.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

# Account of a Boring at Ironsides. on the North side of the Lane below Gate, Farnacres.

Approximate surface level feet above sea (Ordnance datum).

Soft blue clay, with				Fs. Pt. In.	Brought forward	9	Ft. 3	In. 1	Fs.	Ft.	In
seams of sand Soft blue clay, with					Grey and brown ram- bly stone		4	6			
soft seams of sand Sand and chinnelly clay, with small	-	_	1		Grey and brown scamy post In white post	0	1	0			
feeder of water Stony clay	0	2			in white post	_			10	3	(
Soft blue and scamy metal, with water											
,	_		_						_		
Carried forward	9	3	1		Total		•••	=	10	3	_

#### No. 840.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. About Lat. 54° 56′ 25″, Long. 1° 38′ 10″.

## At Farnacres, under Lobley Hill.

							Ft.		Fs.	Ft.	In.	_
Soil and sto	ny clay	y				 2	0	0				
Brown and	grey r	amble				 0	4	3				
COAL	•••	•••				 0	4	0				
Grey thill	•••	•••	• • • •	• • •	••	 0	1	6				
						-			3	3	9	
	Tota	d depth	below	high v	rater				3	3	9	

## No. 841.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored in a Staple about 100 yards North-west from the Engine, under the Oak Tree in the Hedge, Farnacres.

C-1-41 W.13	Fs.	Ft.	In.		Ft.		Donald Consul					Ft.	
Sunk to the scaffold	~		0	1	1	6	Brought forward			-	21	9	8
Box	U	3	0				Grey post, with water Strong white post,	Ų	4	6			
Strong white post,	0	3	9				4.1 7.1	0	1	0			
Grey metal, with water		4					TELL .	2	1	0			
Open waste, with	U	-20	U				Strong white post			7			
	0	3	4				Grey metal			ó			
Loose stones and rub-	0	0	40				COAL	0		7			
bish, with water	0	2	0				OOAL	U	0		-		
bish, with water	v	2	0					_	_		8	0	8
	_		-	2	4	9	Grey metal	0	1	0			
Soft blue metal, with								0		0			
water	0	2	0				Grey metal, with whin						
Grey metal, with gir-							lumps	3	2	0			
dles or lumps	1	2	8				Black metal		0				
White and grey post		1	6				Ft. In.		100	7			
Grey metal stone	0	4	0				COAL 2 2						
Whin		1	0				Grey metal						
Grey post	1	4	0				stone, mixed						
COAL, foul	0	0	6				with coal 0 9						
				4	9	0	COAL 1 3						
				-90	0	0	_	0	4	2			
Grey metal, with post								_	_	_	4	4	6
girdles and catheads	3	4	6				Grey metal stone	0	3	0			
Whin			9				White post, with water			6			
Grey post	0	2	0				COAL	0	0	4			
Grey metal and strong							The state of the s	_	-	_	1	4	10
grey metal stone,							Blue metal	0	5	0			
with post girdles		4	7				COAL	0	0	3			
Blue slaty metal		0					Grey metal stone, post						
COAL	0	1	8				girdles, and water	1	0	0			
	_		_	7	1	9	White post		4	0			
Discoulate model	0	1	0	-		3	Blue metal	0	0	5			
Blue slaty metal			0				Ft. In.						
Grey metal		3	0				COAL 0 8						
Grey and white post	1	0	U				Black metal 0 3						
Blue grey metal, with							COAL 0 4						
strong girdles or	0		0				_	0	1	3			
lumps Black metal	-		0				Grey metal	0	4	0			
Black metal	1	2	U					_	_	_	3	2	11
Carried forward	6	9	0	21	5	8	Total				40	0	7
Carried forward	0	-	0	21	9	0	Total		***	=	40	U	
													-

#### No. 842.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DUBHAM.

Sheet 6 of Ordnance Map. Lat.

Approximate surface level

, Long.

feet above sea (Ordnance datum).

# At Farnacres, about 50 yards West from the Wagonway, and 200 yards North from the Engine.

11					•		•				
Soil Yellow clay	0	1	0	Fa. Ft. In.	Brought forward Grey girdly post,	8			Ps.	Ft.	In.
Leafy clay Blue stone clay, with a spring of water	2	0	0		metal partings, and water Soft loose blue metal	4					
Leafy clay Blue stony clay	0 2	1	0 6		COAL, soft crushed COAL, foul brassy	0	<b>4</b> 0	6 5		•	•
Soft grey metal Blue metal, with catheads					Blue grey metal White grey metal	0	4	4	14	3	2
	_					_			_	5	_
Carried forward	8	0	9		Total		•••	_	15	_2	6

## No. 843.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DUBHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

# Account of Strata bored through in 5th Hole, upon Farnacres Estate. Approximate surface level feet above sea (Ordnance datum).

	4		Ft.	In.	Brought forward Soft grey metal, mixed	Fs.	Ft.	In.	Fs. 18	Ft.	
Old workings 1					with coal	0	1	0			
-		- 6	4	6	Black stone, with coal						
Grey metal 1	1	6			pipes	0	1	0			
Strong white post,					Grey post, with water	1	3	2			
with water and					Grey metal and post						
metal partings 2	2	0			girdles	3	5	4			
Grey metal, with post					Grey metal	0					
girdles 2	0	0			Strong grey post	1	1	0			
Strong grey post and					Grey metal						
metal partings 6	1	0			COAL		0				
COAL 0	2	0				_		_	7	4	7
<del></del>		- 12	0	6					•		•
Carried forward	l	18	5	0	Carried for	wai	rd		26	3	7

## No. 843.—FARNACRES.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 26	Ft.		Brought forward				Fs. 37		
Grev metal	0	4	2			13	White post	1	ō	ò		~	10
COAL	0	0	3				Grey metal	-	1	3			
	_	_	_	0	4	5	COAL	0	1	8			
Grey metal and post				-	-	9			*	0	-	-	4
girdles	4	0	8					_	_	-	6	4	6
Black stone	0	0					Grey metal	2	0	10			
Beaumont Seam (with	150	7	-		-		White post, with metal		7				
water and gas)—							partings	1	0	7			
The state of the s								ō		ó			
COAL 2 6							COAL		1	9			
								0	-	0			
							Value of the same	-	-	-	4	0	1
COAL 1 2		-					Grey metal	1	9	0			
	0	5	2				Strong white post and		-	0			
The state of the s				5	0	2		0	-				
Grey metal	1	4	7						+	1 8			
White post, with metal							COAL	0	1	8			
partings and water	0	3	5					_	_	_	9	4	9
Black stone, with							Communicated	0	0	0			
scares of coal	0	0	6				Grey metal	0	-	0			
Grey metal	0	2	0				White post	4	4	0			
Blue metal, with scares							COAL - Low Main		-				-
of coal	1	5	6				Seam	0	3	4	-		
COAL	-	0					-	-		-	8	1	4
	_		_	4	4	8		0					
Grey metal	3	4	0	-		0	Bored into white post	1	3	0			
		.1	0					_	_	_	1	3	11
White post, with metal			0										
partings		0											
Strong grey metal	2	2	10								_	-	
	-		-	-	-	70	Total				67	3	5
Carried forward	5	1	7	37	0	10	Total	-		=	31	0	_

## No. 844.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored at Farnacres, in the Peru Sinking Pit.

Sunk to the scaffold	Fs.	Ft.	In.	Fa.	Ft.	In.	Brought forward 3 4 0 19 0 9
Box	3	3	0	,	0	0	Ft. In.
Post and metals of		-	-				COAL 1 9
different sorts	7	1	0				Black band,
COAL	0	0	6				mixed with
Grey thill and metal							coal 0 4
stone	0	4	6				COAL 0 8
COAL	0	0	9				- 0 2 9
	_	-	-	11	3	9	4 0 9
Metal and post	3	4	0				In grey metal stone 0 1 6
Carried forward	3	4	0	19	0	9	Total 23 3 0

#### No. 845.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56′ 44″, Long. 1° 37′ 55″.

At Farnacres, in the Ray Grass Close, afterwards sunk to and called the Mexico Pit. Approximate surface level 75 feet above sea (Ordnance datum).

Brought forward 9 3 0 Fs. Ft. In. Fs. Ft. In. Soil and brown stony clay ... Blue stony clay 2 0 0 COAL 3 1 2 6 ĕ Õ Grey band, with coal and bands COAL ... 7 8 2 Grey metal 0 0 0

#### No. 846.--FARNACRES.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored at Farnacres, on the North side of Norwood Lane, and South from the Engine.

feet above sea (Ordnance datum). Approximate surface level

Soil				•••		Na.	Ft.	In. 9	Fa.	Ft.	In.
Yellow clay			•••	•••	•••	Ō	3	Õ			
Soft clay, with son				nd		2	5	0			
Sand, with water		•••	•••	•••	•••	0	5	0			
Black stony clay					•••	0	1	6			
Sand and gravel	•••	•••		•••	•••	0	1	0			
•								_	4	4	8
	T	otal				•			4	4	8

Soft grey metal .... Grey metal stone, with post girdles ...
White and brown post
Grey metal stone, post
girdles, and metal partings ... 1 ī In grey metal 0 5 Carried forward 3 Total \*10 3

<sup>\*</sup> Approximate sea level 12 feet below this.

#### No. 847.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of	Ordnance	Map.	Lat.	, Long.

### Bored at Farnacres, Norwood, about 60 yards North-west from M. Aynsley's House.

Approximate surface level	feet above sea (Ordnance datum).
---------------------------	----------------------------------

a "				Fs.	Ft.	In.	D14.61				Fa.		
Soil	Ų	Ţ	ŏ				Brought forward	Э	U	U	y	0	1
Stony clay	1	5	U				Grey and blue metal						
Grey gravelly metal	2	1	0				and metal stone,						
Grey post girdle	0	1	6				with several mixture						
Grey and blue scamy							whin girdles of						
metal and post girdle	2	3	9				about 27 feet thick	6	1	0			
Soft open scamy metal	ō	ĭ	ŏ				Black slaty metal, with	•	_	_			
Waste, with foul air	ň	ĩ	ĕ					0	Λ	я			
Loose stones and rub-	٠	•	٠				coal	ň	ĭ	ć			
	•	^	4				OOAL	U			11	2	0
bish	1	U	4								11	Z	9
Loose coals and rub-	_		_				Blue slaty metal .	U	0	9			
bish	0	3	0				Black slaty metal,						
				9	0	1	mixed with coal	0	0	9			
Grev metal and metal							Grey metal	0	1	0			
stone, with post gir-							In white and grey post			6			
dles and water	5	٥	n				" g, <b>,</b>		_	_	1	4	0
dies and water	_						i				_		
Carried forward		0	_	9	0	_	Total				99	^	10
Carried forward	J	U	U	J	U	•	10081		•••	=	22	<u> </u>	

### No. 848.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56′ 38″, Long. 1° 37′ 35″.

Bored at Farnacres, in the Middle Field, near Team.

Approximate surface level 35 feet above sea (Ordnance datum).

Soil and blue clay					{5/8	5 0		Ft.	— *	
								0	0	
	Total	l		•••	•••		14	0	0	
* Ap	proxima	te sea	level (	Ordnar	ice datui	n).				

## No. 849.—FARNACRES.

## TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat.

Long.

## Bored at Farnacres, high up in the Norwood, 10 yards from North Hedge.

Soil and clay COAL, foul	2 0	3 1	0 2				Carried forward Grey thill	0	1	6	33	3	1
Thill	0	1	10				Grey metal, with post						
Soft thill	1	3	0				girdles and hard						
Strong blue stone	1	3	0				lumps	3	0	0			
White post	3	3	0				Blue metal	0	1	0			
Grey post	0	1	0	^		^	Whickham Stone Coal-	-					
By Thos. Wake, 27th			_	Э	9	U	COAL 2 1						
Sept., 1754 :							Black band,						
Grey and white post			6				mixed with						
White post	2	1	6				coal 0 3						
Brown and grey metal	0		0				Grey stone 0 10						
COAL, with water	0	5	3				COAL 0 9						
		_		3	5	8		0	8	11			
By Thos. Wake, 5th							i				4	0	5
Dec., 1756 :-							Grey thill	0	1	6			
Grey metal, with							White and grey post.						
strong lumps	4	2	3				with strong lumps		5				
Grey post, with metal							COAL	0	0	8			
parting and lumps	6	2	6				1			_	2	0	9
COAL — The Little							Grey thill	0	1	6			
Coal	0	1	8				Grey post, with strong						
				11	0	5	lumps and metal						
Grey thill, with water	0	1	6				partings with water	2	0	0			
White post, with							White post	2		3			
stong lumps	1	3	6				COAL—Jet Coal	0	1	0			
Whin	0	2					1				4	4	8
White post, with water	0	4	6				Grey thill	0	2	0			
Grey and white post,							Grey metal, with						
strong lumps, and							strong lumps	2	0	0			
water	2	4	0				Strong white post,						
Grey metal, with							with whin lumps	1	0	0			
strong lumps and							Grey metal with post						
water	2	0	0				girdles and strong						
Black stone	0	3	0				lumps	1	2	9			
Grey post	0	3	0				Blue metal, with						
Grey metal	0	1	0				strong lumps	0	8	9			
COAL	0	0	8				COAL-5/4 Seam		2				
	_	_		8	5	5	G 41:11	_			5	4	6
				_			Grey thill				0	1	_
Carried forws	_			83	3	1	Total				50	8	(

#### No. 850.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 36", Long. 1° 37' 43".

Bored at Farnacres, Norwood, in the Trial Pit, from the Stone Coal, in the Flats.

Approximate surface level 50 feet above sea (Ordnance datum).

					Fs.	Ft.	In.	-		1				Fs.	Ft.	
Strong grey thil	1	0	3	0				Brough	t forwa	ird	0	1	0	12	4	8
Grey post	***	2	0	0				Grey stone		***	1	0	0			
Blue metal	141	0	2	0				COAL	***	***	0	0	4			
Grey post partir	igs	0	3	0							_	-	-	1	1	4
Strong whin		0	0	8				Grey thill	144	***	0	3	0			
White post	(some							Blue metal			0	2	0			
partings)	***	1	0	0				Black metal		111	0	0	9			
Whin	+++	0	0	9				COAL	11+	144	0	1	4			
Grey stone	244	1	0	0									_	1	1	1
Blue stone	***	0	3	0				Grey thill	***	***	0	3	0			
COAL	***	0	1	4				Grev stone			1	0	0			
		_	_	_	6	1	9	Whin			0	ĩ	0			
Grev thill		0	1	0		-	-	Strong whit			6	0	0			
Characteria		1	î	0				Whin	******		0	1	4			
WILL	***	0	ō	9				Grey metal	***	***	0	î	0			
Dian stance		1	0	0				Whin		***	0	4	0			
Character at an a	***	1	0	0				27.00	a mont		0	5	0			
Whin	***	0	2	0				Strong whit			0	0	9			
	1.85	1	4	0				Strong grey	stone	***	-	1	4			
White post		-	2					COAL	111		0	1	4	0		5
Grey stone	***	0	2	0				C			-	-	-	9	5	9
Blue metal	- ***	0	2	0				Grey thill	131	***	0	3	0			
	Ft. In.							Grey stone		2.15	1	1	0			
COAL	1 10							Blue stone	13.5		1	0	0			
Stone	0 2							Grey stone	***	***	0	5	0			
COAL	0 2							Strong whit	e post	***	1	5	0			
	-	0	2	2				Blue metal	***	***	0	4	0			
		-	_	_	6	2	11	COAL	***		0	3	0			
Grey thill	151	0	1	0							-	_	_	6	3	0
								Grey thill	***	***				0	1	0
Carried for	ward	0	1	0	12	4	8		Total			***		31	4	6

#### No. 851,-FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored in Farnacres, from the Whickham Stone Coal in the Prosperous Pit. October 5th, 1759.

	0 2 0 0 0 8	Brought forward Grey thill White post, with water	0	2	0	Fs. 28	Ft. In. 4 10
	0 2 8	and strong lumps	2	0	0		
Carried forward	28 4 10	Carried forward	2	2	0	28	4 10

### No. 851.—FARNACRES.—CONTINUED.

Brought forward			In.			In. 10	Brought forward		Ft.		Fs. 40		In
Grey post, with water	-	-	0	20	-	10	0		4		40	-	-
and strong lumps	1	A	10				COAL			8			
							COAL	0	T	0		2	-
COAL	U	T	0		0		C 43-23	-	4	0	*	2	8
	-	-	_	4	2	0	Grey thill			6			
Grey thill	0	2	0				Grey post	0	5	10			
Grey post		3	0				White post, with metal						
White post, with water	2	2	0				partings and water			3			
Whin	0	2	6				in it		1	6			
White post, with wind							Grey and white post	0	3	0			
or water	0	3	0				Strong white post	2	3	0			
Whin	0		0				Whin	0	1	3			
White post, with water	0	5	0				Strong white post	0	4	0			
Whin	0	1	6				Grey post	0	2	0			
White post, mixed	-		- 7				COAL		0	6			
with water	1	1	0							_	7	4	- 3
Grey post, with metal	-	-	7				Grey and black metal,					-	в
partings	0	4	0				mixed with coal	0	o	9			
	0	9	0				Grev metal stone, with	0		0			
COAL	v	-	V	7	3	0	black metal partings	0	-	0			
Constabill	0	2	0		0	0							
Grey thill	0		0				Grey and white post	0	0	U			
Grey and white post	0	5	8				Strong white post,						
Whin	0	1	8				with grey scames	2	-				
Strong white post,	-	-	-				and windy beds	9	4	6	1	_	
with water	1	5	9	-				-		-	8	5	(
Carried forward	3	2	5	40	4	4	Total				61	4	-

#### No. 852.—FARNACRES.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56′ 55″, Long. 1° 38′ 0″.

Account of Strata sunk through in the Wheels Pit, Farnacres Colliery. Sunk to the Hutton Seam 1840, and commenced from there April 4th, 1842.

Fine brown clay, with sandy parting at the bottom 3 1 3  Very strong stony 1 5 9 brown clay 1 3 3  Sand and gravel 0 1 9	Brought forward 1 1 0 7 0 0  Maudlin Seam—  Ft. In.  COAL, good 0 5½  Bands 0 4  COAL,coarse 0 2
Grey post, mixed with metal partings 1 1 0	Band 0 1½ COAL, good 1 3 COAL, coarse 1 5½ Seggar clay 1 0 COAL 1 2½
Carried forward 1 1 0 7 0 0	Carried forward 9 1 0

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 852.—FARNACRES.—CONTINUED.

	_		-	-	-				-
n 140 1	Fs.	Ft.	In.				Fs. Ft. In. Fs		
Brought forward				9	1	0		3	12
Light grey metal, with			4				Grey metal 3 5 0		
post girdles	4	1	4				Beaumont Seam-		
Low Main Coal Seam-	-						COAL ton 2 1		
Ft. In.							COAL, top 2 1		
COAL 1 6							Band 4 2		
Band 0 2							COAL, bottom 0 10		
COAL 2 0							<u>— 111</u> 5	0	- 1
	0	3	8				m 111 1 0 0 0		-
	_	_	_	4	5	0			
Grey metal thill	1	0	0						
White post	1	0	0				COAL, coarse 0 0 5	5	11
Whin girdle	~	1	6				Blue metal, with post	-	**
White post	2	4	8				girdles and scares		
Hutton Seam- Ft. In	-								
COAL 2 11							0011		
							COAL 0 0 4	2	11
							and and	-	-
COAL 2 0									
Band 0 0							Bastard whin 0 3 1		
COAL, bot-							Post 0 3 1		
tom 0 10	- 2		200				X 000 0 0 2		
	0	5	10	2	-		Blue metal, mixed		
ar a a man	-	_	-	6	0	0	with seggar clay 1 0 6		
Grey metal thill,							Blue metal 1 2 0		
mixed with seggar							Strong grey metal 0 1 1		
clay and ironstone							Blue metal 0 2 2		
balls	1	0	0				Ft. In.		
Strong grey metal,							COAL, coarse 0 2		
with girdles	6	4	6				COAL, good 1 9		
Soft blue metal	1	3	0				Seggar clay band 0 51		
Very strong grey metal							COAL 0 21		
Ft. In.		-	-				- 0 2 7		
COAL 0 2							Grey metal 2 2 5		
Band 0 3							Post, with metal part-		
COAL, good,							ings 1 0 4		
							Blue metal 0 1 9		
but tender 1 7	0	0	0				COAL 0 1 5		
	U	2		10		-	9	1	-
771-:11	_	0		10	2	7	Strong grey metal,		
Thill	0						with post girdles 2 0 4		
Black stone	0						White post, with metal		
Grey post	0	3	0				partings 5 5 10		
Grey metal	0						COAL tender with		
White post	0						COAL, tender, with small black scares 0 1 81		
Grey post	0	1	0				Simili black scales 0 1 52	11	ini
Hard white post	0	3	0					-	-0
Hard grey post, mixed									
with grey metal	2	0	3			1	COAL 0 0 3		
Grey metal	0		10	+			Blue metal 1 1 10		
Whin, mixed with		-					Grey metal 4 4 2		
and the same of th	0	2	4				COAL, coarse 0 0 4		
		3	7				Grey metal 0 4 4		
Grey post	2		9				Brockwell Seam -		
Soft blue grey metal	0						Ft. In.		
COAL	0	0	0	0	0	01	COAL, good 3 0		
Char motel -1				8	0	61	Splint 0 4		
Grey metal, mixed	-	-	-				- 0 3 4		
with seggar clay	0	4					7	4	11
COAL, good	0	0	8			-			
Maria Na	-		+1	0	5	6	Sump— 75	2	3
Grey metal	1	0	2				Grey metal 0 1 6	15	
COAL, coarse	0	0	4				White post 8 1 6		
		3		1	0	6	8	3	0
	_	_					- 0	-	-
-									
Carried forward	rd			40	3	11/2	Total 83	5	3

#### NORTHUMBERLAND AND DURHAM.

#### No. 853.—FATFIELD.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat.

, Long.

Fatfield.—No. 2 Boring at F, about 250 yards South from the first at G. February 18th, 1752.

Approximate surface level

feet above sea (Ordnance datum).

				Fs.	Ft.	In			Ft.				In.
Soil	0	1	0				Brought forward	10	3	0	5	3	0
Clay	1	3	0				Grey and black metal	0	5	0			
Clay and gravel		5	0				Grey and brown scamy		7				
	-			5	3	0	metal	2	1	0			
Rambly post	1	2	0				Brown and blue ramble	0					
Brown post	2	0	0				Brown and grey ramble			6			
Brown and grey scamy		_	~				Grey post and whin		î				
	0	2	0				Grey black metal	0	9	ñ			
Open brown post							Black metal and coal	0	ĩ	0			
Brown and grey post			0				Black grey metal		î				
Blue metal, mixed with	*	0	v				COAL		Ô				
	0	1	e				COAL	0	U	10	18	0	
brown post							0				-	0	7
Grey post	0	Z	0				Grey metal				0	2	0
Grey and brown post	4	1	0										
Carried forward	10	3	0	5	3	0	Total				02	-	4
Carried forward	10	0	0	9	3	0	Total		***	-	20	Ð	9

#### No. 854.—FATFIELD.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat.

, Long.

Portobello.—Section of the Catharine Pit, near to Fatfield Colliery.

Soil, clay, a	nd brown	Fs.	Ft.	In.	Fs.	Ft	In.	Brought forward				Fs. 64		
post		3	3	0				COAL (two bands of	-	-		-	-	02
COAL		. 0	2	7				1 inch and 2 inches)						
		-	-		3	5	7	-Maudlin Seam	0	4	10			
Metals		. 42	2	6				1	-		-		1	4
COAL-5/4	Seam	. 0			100			Metals	12	0	7			
		-			42	5	8	COAL-Low Main						
Metals		16	4	9				Seam	0	3	3			
COAL-M	ain Coa	l						Carlotte Control	-		-	12	3	10
Seam		. 1	0	0	ļ.,			Metals	7	5	7			
		-				4	91	COAL-Hutton Sean	0	5	0			
Metals	*** **	. 7	2	6				The second secon	-	-	-	8	4	7
		-		_	-	-								_
Carried	forward	7	2	6	64	4	07	Total				94	1	91

### No. 855 .- FAWDON.

#### TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0′ 54", Long. 1° 39′ 7".

A Boring near Fawdon, No. 30 East, 85 Chains from Kenton Town Gate.
December, 1752.

Soil	0	Ft.		F8.	Pt.	In.	Brought forward	Fs. 18	Ft.	10	Fs. 17	Ft. 2	
Stony clay	1	2	0				Ft, In.						
Sand and channel, with	1		-				COAL 0 10						
	1		0				COAL, foul 0 4	0	1	2			
Stony clay	11	2	0					-	,		18	9	0
	_	_	_	14	1	0	White metal	0	3		10	-	-
Soft brown ramble	0	1	8				Grey metal stones,	-	-	~			
Brown ramble, with		-	-				with post girdles	1	0	9			
post girdles	0	3	0				Whin	0	0	9			
Grey, green, and brown							Strong white post	0	1	6			
scamy metal	0	1	6				Whin	0	1	0			
drey metal	0	3	4				Grey metal stone, with						
drey metal, with post							post girdle	4	4	0			
girdles and water	1	1	6				Grey metal	0	2	0			
Black metal	0	1	0				Blue black metal, with	140	-	-			
Black slaty metal,							catheads	0	2	0			
scared with coal	0	1	0				Kenton Main Coal-						
				3	1	0	COAL, hard Ft. In.						
				-	-		foul 1 0						
oft white and grey		4	•				COAL 4 0						
metal	1	*	0				A brass lump						
rey metal stone, with							or scare band 0 1						
post girdles and water	0	4	0				COAL 0 7	-	-				
Water White post, with scamy		-20	v					0	5	8	0		0
partings and water	2	0	0				Grow motel second				0	2	8
hite and grey metal,	-						Grey metal, scared with coal	0	1	3			
with girdles or lumps	3	2	0				With coat Ft. In.	0	-	0			
lack and blue metal,		-	-				COAL, with						
with girdles or lumps	0	3	0				white metal 0 6						
rey metal, with gir-		-					COAL, foul 1 2						
dles or lumps	0	3	0				Blue metal, with						
lack metal, scared							some small						
with coal and water	0	0	4				scares of coal 0 7						
rey and blue metal,							COAL 1 1						
with girdles or lumps	1	2	0				_	0	3	4			
Thite post girdles,								200	-		0	4	7
with metal partings							Grey metal	0	1	2			
and much water	2	1	0				Grey metal stone, with		-	-			
Vhite post	0	5	0				girdles or lumps	4	0	0			
Black and grey metal	0	3	0				Grey post, with water	0		0			
flue metal, mixed with							Mixture whin		0				
coal	0	0	6				Grey metal stone	2		0			
ost girdles, with blue		120	-				Blue metal	0	1	3			
metal partings .	1	3	0				Soft blue and black						
lue and black metal,		5	2		-		metal, mixed with						
with catheads	10	0	10			-	water	0	1	3			
							Grey metal, with gir-			0			
							dles or lumps	2	4	0			
							man in annual til			100			

## No. 855.—FAWDON.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 9 5 6 44 5 3	Fa. Ft. In. Fa. Ft. In. Brought forward 55 3 8
COAL, foul Ft. In.	Soft grey metal 0 1 0
slaty 2 6 Blue black and	In grey scamy post girdles, with metal
grey scamy metal 1 0	partings 0 3 0
COAL, hard	0 4 0
foul slaty, with water 1 5	` ·
— 0 4 11 — 10 4 5	
Carried forward 55 3 8	Total <u>56 1 8</u>

#### \* Approximate sea level (Ordnance datum).

## No. 856.—FAWDON.

#### TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0′ 52", Long. 1° 38′ 39".

# An Account of Strata sunk through in Fawdon Engine Pit. March 9th, 1810. Approximate surface level 208 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. Ir
	1		6				Brought forward 5 3 4 15 5
	1	2	0				Blue stone 5 1 9
Sand and gravel, with							COAL 0 0 1
water		1					10 <b>5</b> S
Strong stony clay		5					Grey post, with open
COAL	0	1	3				gullets and water 2 4 0
Soft blue thill	1	0	0				White post, very close 1 4 0
Blue stone	1	4	10				Black stone 0 3 0
COAL, splint, with							COAL and stone 0 1 0
water	0	0	9				5 0
Soft blue thill		3					White post, with cashy
White post, with water	2	2	ŏ				
Black stone	ī	ō	6				partings 1 3 3   White post 0 4 5
COAL							1 (0.9.5
OOAL				15	5	9	Black stone {2 5 7
Grev metal stone	1	_	2		U	•	0041
		3					COAL 0 1 3
Grey post, with water	_						5 5 1:
Blue stone			6 9				Post-Main Post 8 4 6
Black stone							COAL 0 4 6
Grey metal stone		_	0				9 8 0
White post, with water	0	4	0	_		_	
Carried forward	5	3	4	15	5	9	Total 47 1 10

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 857.—FAWDON.

#### TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 52", Long. 1° 38' 39".

#### Boring made from the Thill of the Seam in Faudon Engine Pit.

Approximate surface level, plumb over top of pit, 208 feet above sea (Ordnance datum).

	Fs.		In.	Fs.	Ft.	In.	-	Fs.	Ft.	In.	Fa.	Pt.	In.
Grey metal stone	6	2	0				Brought forward	2	5	0	12	0	1
COAL	0	0	8				Whin	0	0	10			
				6	2	8	White post, with water	1	1	6			
Soft thill	0	2	9				Whin	ō	ī	6			
Grev metal stone	3	Ō	3				Post	Ŏ	ō	8			
White post	0	0	1				Grey metal stone	ŏ	3	ō			
Grev metal stone	Ō	Ō	9				Post	ŏ	ĭ				
White post, with water		1					Grey metal stone		ī				
Grey metal stone	ĭ	2	9				Blue stone	ŏ	2	4			
Black stone	_	ī					COAL	ŏ	ō	9			
COAL	ŏ	ō	2					_		_	6	0	6
				5	3	5	In thill				ĭ	ŏ	Ö
Thill	0	3	0	_	•	٠					-	·	·
Blue stone	2	2	ŏ										
Dide stolle	2	2	U										
Carried forward	2	5	_	12	0	1	Total				19	0	-
Carried forward	4	J	U	12	U	•	10081		•••	=	TA		

#### No. 858.—FAWDON.

#### TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Strata sunk through in the Fawdon Second Pit. March 11th, 1812.

			Fs.	Ft.	In,	Brought forward					Ft.	In.
1	2	0				Brown scamy metal	1	0	0		•	Ŭ
			15	1	0	Blue stone	1	0	0			
						Grey post		_	_	14	1	0
0	4	0	_									
1	1	0	15	1	0	Total		•••	_	29	2	0
	1 0 12 0	1 1 2 0 2 12 2 0 3 0 4	1 1 0 1 2 0 0 2 0 12 2 0 0 3 0 0 4 0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 1 0 1 2 0 0 2 0 12 2 0 0 8 0 15 1	1 2 0 0 2 0 12 2 0 0 8 0 15 1 0	1 1 0   Brought forward   Brown scamy metal   Blue stone   Blue stone   Blue stone   Blue stone   Grey post   Grey post	Brought forward 1  Brown scamy metal 1  Blue stone 5  Black stone 4  Blue stone 1  Grey post 1  Total	Brought forward 1 1 1 Brown scamy metal 1 0 Blue stone 5 4 Black stone 4 2 Blue stone 1 0 Grey post 1 0	Brought forward 1 1 0 0 1 2 0 Brown scamy metal 1 0 0 Blue stone 5 4 0 Black stone 4 2 0 Blue stone 1 0 0 Grey post 1 0 0	Brought forward 1 1 0 15  1 2 0 0 2 0 12 2 0 0 3 0  15 1 0 Brown scamy metal 1 0 0 Blue stone 5 4 0 Blue stone 4 2 0 Blue stone 1 0 0 Grey post 1 0 0  Total	Brought forward 1 1 0 15 1 Brown scamy metal 1 0 0 Blue stone 5 4 0 Black stone 4 2 0 Blue stone 1 0 0 Grey post 1 0 0 Grey post 1 1 0 0

#### No. 859.-FAWDON.

#### TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Strata sunk through in the Fawdon Third Pit. May, 1812.

Approximate surface level feet above sea (Ordnance datum).

Outset Stony clay Sand and gravel Stony clay	***		1 0 1 0	0000				Brought forward Post stone Grey metal stone White post, with open	7 1 3	4 5 3	0 0 0	Fs. 14	Ft. 2	In. O
Soft blue stone Black stone		-	0 4	0	14	2	0	gullets and water	2	4		15	4	0
Carried forward	ard	7	4	0	14	2	0	Total		.,.	-	30	0	0

## No. 860.—FELKINGTON.

#### TOWNSHIP OF FELKINGTON, NORTHUMBERLAND.

Sheet 6 of Ordnance Map. Lat.

, Long.

Section of Strata sunk through in Felkington New Pit, and in a Staple from the Cooper-Eye Seam on the Fourteen-Fathom Upcast Dyke South-west to the Wester Coal Seam.

Soft light blue shale 0 2 0	Soil and clay		Fs.	Ft.	In.	Fs.	Ft. 1	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 12 5
Limestone     0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		***	-		-				
Strong grey sills 0 2 0	W. w. or or other Principles		-						
Shale				0					
Shale			-	2	9				Strong grey sills 0 2 0
COAL, good     0   1   0			-	0					Freestone 0 1 8
Blue shale 0 2 10 Limestone 0 2 7 Soft blue shale 0 2 7 Black Hill or Scremerston Main Coal Seam— Ft. In COAL, top, mixed with limestone 2 6 Stone band 0 2 COAL, ground 0 10  Carried forward 11 2 5  Carried forward 11 2 5  COAL 0 9 Band of blue shale 0 9 COAL 1 2 Band of lime-stone 1 2 COAL 0 9  Strong tills and free-stone 0 1 2 Grey tills 0 1 0 COAL, diamond 0 1 4  Carried forward 13 4		***	-					1	
Limestone 0 2 7 Soft blue shale 0 2 10  Black Hill or Scre- merston Main Coal Seam— Ft. In  COAL, top, mixed with limestone 2 6 Stone band 0 2  COAL,ground 0 10   11 2 5  Carried forward 11 2 5  Carried forward 11 2 5		***	0		-				Hardy or Stony Coal—
Band of blue   Shale     0   2   10	Blue shale	***	0					- 1	
Stank Hill or Scremerston Main Coal   Seam	Limestone	***	0	2	7			- 1	
COAL   1 2   Band of lime-stone   1 2   Band of lime-stone   1 2   COAL   1 3 4   CO	Soft blue shale		0	2	10			1	Band of blue
Seam	Black Hill or A	Scre-						- 1	shale 0 9
Strong tills and free-stone   1 2   COAL   1 4   COAL	merston Main	Coal							COAL 1 2
Stone   1 2   COAL   1 3 4   C	Seam-	Et In							Band of lime-
mixed with limestone 2 6 Stone band 0 2 COAL 0 9									stone 1 2
Carried forward   11 2 5     Carried forward   12 5     Carried forward   12 5     Carried forward   13 4 5     Carried forward   14 5     Carried forward   15 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6									
Stone band 0 2 COAL,ground 0 10		2 6							
Coal, ground 010  0 3 6  11 2 5  Strong tills and free- stone 0 1 2 Grey tills 0 1 0 COAL, diamond 0 1 4  Carried forward 11 2 5  Carried forward 13 4									110
Carried forward 11 2 5 stone 0 1 2 Grey tills 0 1 0 COAL, diamond 0 1 4 Carried forward 13 4		200							Strong tills and from
Carried forward 11 2 5 Grey tills 0 1 0 COAL, diamond 0 1 4 Carried forward 13 4	COAL, ground	010	0	0	0				
Carried forward 11 2 5 Carried forward 13 4		_	0	3	0			-	111 2 2
Carried forward 11 2 5 Carried forward 13 4			-	_	_	11	2	D	
Carried forward 11 2 5 Carried forward 13 4									
									0 3 6
	Carrie	ed for	war	d		11	2	5	Carried forward 13 4 7
									C

## No. 860.—FELKINGTON.—CONTINUED.

	Fs.	Ft. In				Fs. Ft. In. Fs. Ft. In.
Brought forward Tills	^	0 0	13	4	7	Brought forward 21 4 11 23 2 8
73	0	2 0				Three-Quarter Seam—
	0					Ft. In.
0041	0					COAL 1 2
mun	0					Stone band 0 6
Strong blue shale	2	5 0				COAL 1 0
Freestone bands	ĩ					- 0 2 8
Blue shale	i					22 1 7
	0					Metal 0 3 0
Freestone	0	1 0				0041
Main or Bulman Coal	-					01
COAL (gen-						0.00
erally left Ft. In.						TH
for roof) 1 2						COAL 0 0 3
Strong chalk 0 1						Limestone 0 1 2
COAL, splint,						Cooper-Eye Seam-
good 1 1						Ft. In.
COAL, rough,						COAL, splint 1 3
good 0 7						Stone band 0 9
Stone band 1 8						COAL,ground1 4
COAL, coarse 0 8						
COAL, par-						- 0 3 4
rot 0 11						2 2 0
Stone chalk 0 1						Soft blue metal 0 3 0
COAL, foul,						7.1
smithy 0 4						Tills 0 1 6
_	1	0 7				Hard bastard lime-
	-	_	8	3	5	stone 0 3 0
Strong grey tills	0	0 7				Blue tills 0 5 0
Soft light blue shale	0	0 9				Limestone 0 1 0
Freestone band		0 6				Blue tills 0 1 6
Black shale		0 3				Freestone 0 2 0
Limestone	0	1 1				Blue tills 0 3 6
Black shale		0 10				Freestone 0 1 0
Limestone	0	0 3				COAL 0 0 6
Ft. In.						Metal 0 1 0
COAL 0 11						Grey freestone 0 2 9
Limestone 0 11						Red freestone 0 2 9
COAL 0 7	-					Limestone 0 1 4
_	0	2 5	3	-	-	Metal 0 1 6
	_	7 2	1	0	8	Limestone 0 1 8
strong grey tills	0	4 6				Freestone band 0 2 0
Soft blue shale	0	1 11				Tills 1 0 0
Yills	0					Limestone 0 2 6
trong grey sills	3					Metal 0 1 4
	6					Limestone 0 1 0
Blue metal	0					Metal 0 2 6
rey freestone	1	2 0			- 9	Wester Coal Seam-
OAL	0	0 6				
Iard red freestone						COAL 2 2
(Ten-Quarter Stone)	3	0 0			- /	Limestone 1 6
Blue metal	0	2 0			- //	COAL 0 7
drey freestone (Ten-	0					Blue metal
Quarter Stone)	2	3 0				band 3 0
Blue metal	2	0 0				COAL 0 10
	0	2 0				
COAL	0	0 6				- 1 2 1
Metal	0	2 0				9 4 5
rey tills	U	2 0				
		-			-	Total 57 4 8

#### No. 861.—FELL END.

#### TOWNSHIP OF HALTWHISTLE, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 54° 58′ 51½", Long. 2° 30′ 21".

Section of Strata in Fell End Pit, near Hallwhistle.

Approximate surface level 628 feet above sea (Ordnance datum).

	1
Post Fs. Ft. In. Fs. Ft. In. 2 1 0	Fs. Ft. In. Fs. Ft. In. Brought forward 27 5 0
Plate, with post girdles 4 1 0 White post, mixed	Ft. In. COAL, top 1 4
with plate 9 5 0 Plate, with calcareous	Band 2 0 COAL, good 2 3
bands 5 1 0 Limestone (Little	COAL, coarse 1 5 1 1 0
Limestone) 6 3 0	Thill—hard white post.
Carried forward 27 5 0	Total *29 0 0

<sup>\*</sup> Approximate sea level 454 feet below this.

## No. 862.—FELLING.

#### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Long.

Account of a Boring in the North-east part of Felling Grounds. April 3rd, 1758.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Saised from surface 0 2 0   Soil and leafy clay 0 2 0   Stony clay 1 1 0   Sandy gravel, with a	Brought forward 10 4 0 Sand and gravelly clay 3 3 0 Sand, with a small mixture of gravel
small siping of water 0 1 0 Stony clay, with whin	with water 2 1 0 In sand 0 3 6
tumblers 8 4 0	-
Carried forward 10 4 0	Total <u>16 5 6</u>

## No. 863.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat.

Long.

Bored in the second place in Felling Grounds, 200 yards South from the first.

	_	_	_	_	_	_		_	-	-	_	_	-
Raised from the surface		Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.		FL	
Soil and sandy clay		1	6				Soft grey metal	0	2	0	-	~	-
			0				Grey and blue metal	ĭ	3	o			
Stony clay		0	- 0							-			
Leafy clay		0	-				Black metal		0				
Stony clay	1	2	6				COAL	0	0	8			-
Stony clay, mixed	2	-	-					-	-	_	2	0	Z
with sand	1	3	0				Blue and grey metal	0	1	0			
Sand, with a small							Grey post	2		0			
mixture of clay	0	5	3				Soft white metal	0	4	0			
Leafy clay	3	0	9				Strong grey metal						
Leafy, clay, mixed							stone	1	3	0			
with sand and a							Blue and grey metal,						
small siping of water	4	4	0				with girdles or						
Sand, with a siping of							lumps	3	0	0			
water and a small							COAL	0	0	7			
mixture of clay	1	3	0					_	-		7	2	7
Brown sandy ramble	-	_	-				Blue metal	0	1	0	11.	-	
or gravel	1	3	0				Grey and white post,	~	-	~			
or graver	-			18	2	0	with water	1	1	0			
Dearen sanner motal				10	2	0	Blue and black metal.	-	-	0			
Brown scamy metal,	0	0	9				The state of the s						
with water	3	0	9				with girdles or		-	0			
Soft red and brown	-		_				lumps and water	2	1	0			
sandy ramble	0	2	0				White post	1	3	0			
Brown scamy post,							Black metal, with	-	-	-			
with open thready			-				girdles or lumps	2	0	6			
partings	1	4	7				COAL	0	0	6			
Black stone	0	1	6					-	_	-	7	1	0
Grey metal	1	1	0				Grey metal	0	0	9			
Open grey and brown							Strong white and grey						
post, with water	0	3	0				post and water	2	3	0			
Whin	0		0				Strong white and grey						
Brown and grey post		4	'0				post and water	9	1	0			
Soft grey metal, with	-	-					Grey metal	0	ī	4			
post girdles and							Soft blue and black	-	-	-			
water	1	9	0				metal	0	0	6			
COAL		ő					1 100	100	0	0			
COAL	U	U	10	0	3	8	COAL 1 5						
Caft and maked	-	1	_	9	0	0							
Soft grey metal	U	T	0				Blue metal, scared						
Blue and black metal,							with coal 0 1						
with girdles or		-					COAL 0 7						
lumps	1		0				Small slaty						
Grey metal stone	1	3	0				lump or band 0 1						
Blue and grey metal,							COAL, with						
with post girdles	1	5	0				water 3 0						
Whin	0	1	6				Blue metal 0 3						
Strong white post,							COAL 1 11						
with water	3	1	6				COAL, foul						
Black slaty metal,	1						brassy 0 6						
mixed with coal	0	0	6					1	11	0			
COAL	-	0	-					-	-	_ 1	2	2	5
	-	0	9	8	1	0	In grey metal			-	0	ĩ	0
				-	*	0	In grey metal				9	-	-
Coming Command				36	0	8	Total			0	98	1 .	10
Carried forward				90	0	0	Total		**		6	1 :	10

## No. 864.—FELLING.

#### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

An Account of a Boring at Felling Shore. October 26th, 1776. Approximate surface level feet above sea (Ordnance datum).

3 3 1 1 0 0	0 0 0 0 0 6 0 8 0 0 0 0 0 0 0 0 0 0 0 0	17		8	Grey metal Grey post, with water Blue grey metal Black metal COAL  Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 3 5 0 0 2 0 5 3	68 60086 006 0	10	0	8
3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 6 0 8 0 10 0				Grey metal Grey post, with water Blue grey metal Black metal COAL  Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 3 5 0 0 2 0 5 3	68 60086 006 0			8
3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 6 0 8 0 10 0				Grey metal Grey post, with water Blue grey metal Black metal COAL  Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 1 0 0 0 0 1 0 2 0	0 3 5 0 0 2 0 5 3	60086 006			8
3 3 1 3 1 4	0 0 6 0 8 0 10 0				Grey metal Grey post, with water Blue grey metal Black metal COAL  Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 1 0 0 0 0 1 0 2 0	0 3 5 0 0 2 0 5 3	60086 006			8
3 3 1 3 1 4	0 0 6 0 8 0 10 0				Grey post, with water Blue grey metal Black metal COAL  Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 0 0 0 1 0 2 0	3 5 0 0 2 0 5 3	0086 006	2	3	8
3 1	0 6 0 8 0 10 0				Grey post, with water Blue grey metal Black metal COAL  Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 0 0 0 1 0 2 0	500 205 3	086 006 0	2	3	8
3 1	0 6 0 8 0 10 0				Blue grey metal Black metal COAL  Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 0 0 0 1 0 2 0	500 205 3	6 0 0 6 0	2	3	8
3 1	0 6 0 8 0 10 0				Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 0 1 0 2 0	0 2 0 5 3	6 0 0 6 0	2	3	8
3 1	6 0 8 0 0 10 0				Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 0 1 0 2 0	0 2 0 5 3	6 0 0 6 0	2	3	8
3 1	0 8 0 10 0				Blue metal Grey post Blue grey scamy stone Soft blue and black metal COAL	0 1 0 2 0	205	0 0 6	2	3	8
3 1	0 8 0 10 0				Grey post Blue grey scamy stone Soft blue and black metal COAL	1 0 2 0	0 5 3	6 0		-	
3 1	8 0 10 0				Grey post Blue grey scamy stone Soft blue and black metal COAL	1 0 2 0	0 5 3	6 0			
3 1	8 0 10 0				Blue grey scamy stone Soft blue and black metal COAL	0 2 0	5	6			
3 1	0 10 0				Soft blue and black metal	2 0	3	0			
3 1	0 10 0				coal	0	3 0	0 4			
1	0	1	3	10	COAL	0	0	4			
1	0	1	3	10		-	0	4			
1	0	1	3	10							10
		1	3	10		-	4	-	4	4	10
					Black grey metal	0	1	6			
1	0				Grey scamy post, with		-	-			
1	0				water	4	0	0			
	~				Strong white post, with						
					whin in several						
5	0				places	5	4	9			
1	0				Blue rambly metal	0	1	0			
					Grey post		1				
					COAL, with a small						
					brassy band 29 in-						
5	0				ches from top-Main						
	~				Coal Seam		5	1			
1	3				Cour Deans		~	_	11	1	10
-	0	8	5	3	Grey metal	0	0			-	10
6	0	0	o	0	COAL, coarse, mixed	0	0				
0											
3	U				with brass in the	^	0	4			
					middle	0	2	1			
	6.				Black slate, mixed	-	6	-			
					with coal	0	0	7	-	-	
	0					-		-	-		
0	6				In grey metal				0	1	0
0											
0											
0	0	_	-	-	20.00				-	-	-
0 1 5	-			9	Total		***		57	0	6
	)	6 6	0 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	5 0	5 0	In grey metal	0 0 In grey metal	0 0 In grey metal	0 0	0 0	0 0 1 6 In grey metal 0 1

#### No. 865.—FELLING.

#### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57' 27", Long. 1° 34' 5".

Bored in a second place in Felling Estate, about 500 yards North from Felling Hall. February 28th, 1777.

Approximate surface level 85 feet above sea (Ordnance datum).

Sunk to the scaffold				Fa.	Ft.	In.	Brought forwa					Fs. 30		
	64						Whin				ó	-		*
Box		=	0		_	*	Grey metal stone, wi		•	-	~			
		9	U				girdles		1	0	0			
Soft brown rambly		~	-				Blue and black me							
post		0 2	0				COAL	COLL	6	0	5			
Brown post		2	U					***	U	0		18	0	1
Black metal, with		-					Chan motal		0	1	0	10	-	
scares of coal							Grey metal White post, with war		9		0			
Grey and blue metal		4	0						2	2	0			
COAL, foul, with		-	-				Strong white po							
small bands of metal	0	2	3		-	- 2	with a mixture				-			
	-		_	22	2	3	whin in seve		0	^	0			
Grey and blue metal,		10	-				places and water	159	9	0	0			
with girdles	2	4	6				Blue metal	***	U	0 2 2	2			
Grey and brown post	4	4	0				Slaty metal	***	0	2	0			
Blue grey metal	.0	2	0				Slaty metal		0	2	1			
Blue grey metal	0	1	2				COAL	***	0	3	-		11	
	-	_	_	7	5	8		-	_			12	4	1
Blue grey metal, with										0				
post girdles Grey metal	8	2	7				COAL, coarse	***		0				
Grey metal	0	3	0				Blue metal			0				
White post, with water	1	0	0				COAL coarse		0	1	3			
Grey metal and metal								-			-	0	2	5
stone, with girdles														
and water	4	5	0											
Carried forward	14	4.	7	30	1	11	Total					61	3	3

#### No. 866.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57' 32", Long. 1° 33' 40".

An Account of the Strata at Venture Pit, Felling Colliery.

Approximate surface level 75 feet above sea (Ordnance datum).

Outset clay and soil { Fa. Ft. In. Fa. Ft. In.	Brought forward COAL—3/4 Seam	28	5	6	Fs.	Ft.	In.
Sand 2 5 0 Brown post 2 0 0 Blue and grey metal	White post girdles and metal partings	1	5	4	20		V
stone 4 5 6	Grey metal stone	1	0	2			
Carried forward 28 5 6	Carried forward	2	5	6	29	1	0

## No. 866.—FELLING.—CONTINUED.

Brought forward	Fs. 2	Ft.	In. 6	Fs. 29	Ft.	In.	Brought forward	Fa.	Ft.	In. 10	Fs. 84	Ft.	6
Blue metal stone			4			18	Strong post, with whin					1	
drey metal stone	1	0	4				Blue stone, with girdles						
White post	0	2	2				Strong post and whin	0	3	0			
White post Blue and grey metal	1	4	8				Grey metal stone	3	3	9			
Blue metal	8	5	7				Bensham Seam-						
Blue metal	0	2	5				0041						
White post mixed	0	-					Band	la	0	5			
White post, mixed	4	0	0				COAL	10	4	93			
with whin	4	0	-				COAL				11	0	į,
Black stone	10	0	0				Comments to the second			-	14	0	6
Post (Main Post)	10	4	6				Grey metal stone, with	-		-			
COAL—High Main	-	-	=				thin post girdles	2	4	8			
Seam	0	5		14	- 2		Post girdles, with						
	-	-	-	36	2	11	metal partings	1	0	2			
unk to Low Main							Strong white post, with						
(commenced October							whin (met with a						
25th, 1801):-							feeder of salt water						
hill of Main Coal	0	0	3				and sulphur at the						
OAL, ground							top of the post)	6	1	10			
hill	0	ĩ					Blue and grey metal		*	-			
Blue stone, with metal	0	-						0	1	0			
		3	4				coal		-				
and whin girdles		0	T				COAL	0	U		10		
Ft. In.							Discounted stone	-	0		10	2	2
OAL 0 9							Blue metal stone	1	0	0			
tone 0 11							Strong white post,	-					
OAL 2 1							with whin girdles		0	9			
_	0	3	9				Blue metal stone	0	0	3			
	_	_	_	5	4	10	Six-Quarter Seam-						
'hill	0	4	0				Ft. In.						
Blue stone	1	0	0				COAL 0 8						
Black stone, with whin	17	177	77				Black band 0 4						
and post girdles	1	1	7				COAL 1 9						
fild black stone			4					0	2	9			
	0							0	4	9			
			0				Then	0	1	0	3	3	
Thill	U	2	O				Thill	0	1	9			
rey metal stone, with	-	ó					Strong grey metal						
post girdles	0	2	4				post, with whin and	-		4			
rey metal stone, with		-					Whin	1	4	3			
whin and post girdles	1		10				Whin	0	1	4			
OAL	0	0	3				Blue stone, with strong						
	-		-	5	4	8	post girdles	2	0	5			
trong blue -, with							COAL-5/4 Seam	0	3	7			
catheads (ironstone								_		-	4	5	
balls ?)	1	0	0				Strong blue metal					1.00	
trong post and whin	0	4					stone, with whin and						
trong black stone,			- 25				post girdles	1	2	10			
with whin and post							Black metal			10			
	1	3	0				Blue stone, with strong	0	0	109			
girdles	-	0	0										
rey metal stone, with	0	0	0				whin and post gir-	0	4	177			
post girdles	2	0	U				Black stone		1				
trong blue stone,	-	-	-				Dinck stone	1	3	1			
with girdles							COAL-Low Main	-	-				
OAL - Yard Seam	0					100	Seam	0	5	11			
	-		-	6	5	14	The same of the sa	_		-	6	5	
						1	Sunk for sump or						
rey metal stone, with		1/4	10				standage for water				1	A	
rey metal stone, with whin and post girdles	6	4	10								1	4	
whin and post girdles	6	4	10			-	stantage for water				-	4	

\* Approximate sea level (Ordnance datum).

NOTE.—BENSHAM SEAM.—The band has been probably half-an-inch in thickness, as no notice has been taken of it.—December 4th, 1821.

### No. 867.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat.

. Long.

Account of Strata bored through at the Venture Pit, Felling Colliery.

Approximate surface level feet above sea (Ordnance datum).

Sunk to the scaffold	Fa.	Ft.	In.	Fs. 15	Ft.	In.	Brought forward				Fs. 32		
Box	7	0	0	10	0	0	AAAI		0		02	0	10
Brown post, with part-	,	0	0					1	0				
ings			0				Grey metal stone	7	9	-			
							COAL	0	1	9	-		-
COAL	0			-	-			-		-	6	2	- 6
	-	_	-	10	5	3	Soft blue and grey	-	2	-			
Frey metal, with							slaty metal	5	0	0			
girdles							Grey metal, with						
COAL	0	1.	4				girdles	2	0	4			
	-	-	-	2	1	4	White post Whin	0	1	6			
Grey metal		5	6				Whin	0	3	0			
Strong white post,							Strong white post	0	1	0			
mixed with whin	0	1	9				Grey metal stone, with						
erey metal, with							post girdles	3	3	6			
girdles	1	3	6				Blue and black metal	2	3	0			
COAL							COAL			0			
	_	_		3	5	7		_			14	1	4
Grey metal	2	1	0	-	-		Grey metal	0				-	100
strong white post,		-	-				Strong white post						
with metal partings		2	0				COAL-High Main	10	-				
rey metal, with	-	-					Seam	1	0	0			
girdles	7	0	4				Detane	-	U	0	12	1	10
giraics	-	0	*	-							10	-	10
Carried forward	4	3	4	32	3	10	Total				65	3	6

### No. 868.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. of John Pit 54° 57' 15", Long. 1° 34' 21".

An Account of a Boring in the John Pit, from the Thill of the Low Main Seam to the Beaumont Seam. July 6th, 1840.

Approximate surface level at top of pit 120 feet above sea (Ordnance datum).

Box 1 Grey metal 0		n. Fs. Ft. In.	Brought forward 27 1 3  Dark grey metal, with
Strong white post 11 Black metal and foul	4	0	girdles 0 3 3
coal 0	1	0	Beaumont Seam-
Grey metal stone 0	3	0	Ft, In.
Grey metal stone 0 White post 2 Grey metal, with	3	0	Grey metal
girdles 7 Strong white and grey post, with metal	0	6	coal 0 10 — 0 5 0
partings 3	3	9	In grey post 1 4 8
I			2 3
Carried forward 27	1	3	Total 30 2

## No. 869.—FERRYHILL.

#### TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Third place near Thinford Lane, 350 yards S.W. from the first. July 15th, 1777.

						In.	Drought for						In.
Soil and strong stony clay	3	4	0				Brought forward	О	T	3	18	0	3
Rambly post	ő	4	3				COAL 0 11						
Brown and grey post	3		3				Blue metal 0 3						
Grey and scamy post,	U	~	·				COAL 1 2						
with coal pipes	0	1	0				1 3	0	2	4			
Brown and grey post	3		ŏ				1	_			6	3	7
COAL, with water			3				Grey metal	0	1	0	•	•	٠
	_		_	11	3	9	White and grey post	ŏ	3	ŏ			
Grey metal	0	3	0		_	-	Grey metal stone, with	_	-	-			
White grey post	Ō	5					water	2	5	2			
Grey metal, with post							Black stone	_		6			
girdles	2	0	10				Blue grey metal	_	2	Ō			
White grey and scamy							COAL, soft, with						
post	0	4	6				with water	0	2	0			
Strong grey metal				٠							4	1	8
stone	0	3	5				Soft dunnish grey me-						
Blue grey metal	1	2	4				tal, with water	0	0	6			
Ft. In.							Grey metal, with brass						
COAL, foul 0 6							lumps	0	4	3			
COAL 0 8							White post, with metal						
COAL, foul 0 3							partings and water	1	3	2			
	0	1	5				Black stone, with dun						
	_			6	2	6	lumps	0	1	6			
Blue grey metal	0	1	0	•			Grey metal stone, post						
Grey scamy post, with							girdles, and water			1			
metal partings	1	2	7				Grey and white post			0			
Blue metal	0		0				Blue metal stone			10			
COAL		1					White post, with water	1		2			
Black stone	0		3				COAL	0	0	4			
Blue grey metal		5					Black grey slate,	_	_				
COAL	0		8				mixed with coal		0	5			
Blue metal	0		10				Blue metal stone		3				
Grey scamy post	0	2	10				Grey and white post	0	4	0	_	_	_
Strong white post, with	_	_									9	2	0
water		1					Sept. 13th Bored						
Blue grey metal	-	1					further:				_	_	_
Black stone	0	0	8				Grey and white post				2	0	0
Carried forward	6	1	-3	18	0	3	Total				40	1	6

## No. 870.—FERRYHILL.

#### TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 41' 10", Long. 1° 34' 19".

Account of the Boring in the High Pit, at Ferryhill, about a mile West from the Town.

December 24th, 1823.

Sunk to the Main Coal	Fs.	Ft	. In.	Fs.	Ft.	In.	Brought forward	Fs.				Ft.	
****				97	0	0					90	2	-
The state of the s		-		27	U	0		0					
White grey metal	1	1	0				Grey metal stone	0	3	8			
Dark grey metal stone,		6					COAL	0	1	5			
with post girdles	4	1	0				11.00	-	-	-	7	1	11
Grey post	0	3	0				The same of the sa						11
Grey metal stone	1	5	4				Grey metal	0	1	6			
Grey metal	1	1					Grey metal stone	0	4	0			
	-	*	0				Black metal, scared		100	100			
drey metal stone, with	ò	+	^				with coal	0	1	0			
post girdles	2	1					Gran most fast some		-	0			
Darkish grey metal	0	1	2				Grey post (set away	-	-				
Ft. In.							the water)	2	0	8			
COAL 0 4							White post, mixed						
Dark grey me-							with whin	0	2	8			
tal, scared							Blue grey metal stone	0		6			
							Strong grey post			0			
with coal 1 11							Grey metal stone, dark	0	-	0			
COAL 0 11								0		^			
Dark grey me-							near the bottom	0	4	0			
tal, with							Ft. In.						
scares of coal 0 7							COAL 0 11						
COAL 0 8							Dark grey metal 0 5						
Dark metal 0 4							COAL 0 2						
COAL 0 5								-	-				
COAL 0 5								0	1	6			
	0	5	2								5	0	10
	-			12	1	4	0				0	0	10
				12	-	-20	Grey metal stone, with	-	-	-			
White metal	1	2	0				post girdles	0	3	5			
COAL, foul	0	0	8				Strong grey post	0	5	6			
	-			-	14		Grey metal and metal						
	-		-	1	2	8	stone	3	0	0			
Dark grey metal	0	1	0										
	0	+	0				COAL	0	1	9			
drey metal stone, with								_	_	_	4	4	8
girdles, rather dark	-	=	-										×
the last 6 fathoms							Grey metal stone, in-	2					
COAL, rather foul	0	1	6				cling to post	5	1	0			
				10	0	0	Strong white post,						
				10	0	2	mixed with whin	7	3	9			
Grey metal	0	0	9				Grey metal stone	o	0				
Black metal, marked	-	~	-				Strong white post,	0	U	9			
	-	0	- 14				Strong white post,	-	=				
with coal	0	U	7				mixed with whin	7	3	9			
Torre marka atona with							Dark grey metal, with						
arey metal stone, with	6	0	6				girdles	2	3	0			
girdles							-	77	10				
girdles			_	_		_							
Grey metal stone, with girdles  Carried forward	_	,	10	-		-	Carried forward			-	-	-	

## No. 870.—FERRYHILL.—CONTINUED.

Brought forward Dark metal, with gir- dles	23	0	3			In. 7	Section of the Main Coal Seam at Ferryhill;—	Fs.	Ft.	In.	Fs.	Ft.	In
Grey metal and thin girdles Strong white post, with a mixture of limestone	0	3	6	00			Good roof, metal stone COAL, good Grey metal band COAL, good COAL, foul	000	1 3	0		_	
Total				28	0	9	Total				0	5	5

<sup>\*</sup> Approximate sea level 33 feet below this.

#### No. 871.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 41' 19", Long. 1° 34' 37" of High Hill House.

Bored in the first Hole on the side of Ferryhill, on the South side of the Brook in a Field adjoining the High Old House on the West side. October 1st, 1835.

Soil				Fs. 1	Ft. In.	Brought forward 26 0 9	1.
Strong brown and	1	1	9			splinty 0 10	
blue stony clay Soft red post	1	1	0			COAL, rather	
Red post (the water	*					coarse 1 7	
arose to the scaffold)	2	5	8			- 0 2 5	
Soft red and blue	-	~				26 3	2
metal partings	0	4	4			Grey metal and metal	-
Grey, red, and brown						stone, with thin	
scamy post, with						girdles and water 3 0 4	
soft partings	3	3	6			COAL, brassy and	
Black metal, with red						rather coarse, with	
scares	0	1	4			water 0 1 8	
Grey and red post,						3 2 (	0
with water	9	4	8			Grey metal and metal	
Whin girdle	0	0	10			stone, with post	
Strong red post, with						girdles 2 3 10	
whin girdles and	-	-				Ft. In.	
water Blue metal	1	3	2			COAL 0 11	
Blue metal	1	2	0			Metal band 0 2	
Black metal, mixed						COAL 0 8 COAL foul 1 9	
with foul coal	0	1	9			The state of the s	
						- 0 3 6	
						In grey metal 3 1	4
	-					In grey metal 0 3	U
Carried forward	26	0	9			Total 33 3	6
						1	=

#### No. 872.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. about 54° 41′ 30″, Long. 1° 32′ 3″.

Boring in the Ferryhill Estate, at the East end of Ferryhill, about 200 yards West from the Clarence Railway. 1836.

Soil and clay	Fs.		In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 25		In.
Sandy elay	1	0	-				Grey metal, scared				-	1	
Brown and grey metal	1						with coal	-	5	6			
Black metal		2	0				Grey post		1	0			
Grey metal	- 2	5	0				Grey metal stone			6			
Black metal		2	2				Strong white post	1	1	0			
Grey metal	1	0	6				White metal	-	1	0			
	0		2				Black metal, scared						
Grey metal	0	1	2				with coal	0	2	6			
Dark grey metal,							Grey metal stone	3	0	6			
mixed with coal	0	1	9				Black metal stone,						
	_		_	6	2	9	scared with coal	0	2	6			
COAL, rather foul	0	1	1				Grey metal stone, with						
	5	3	3				post girdles and						
Dark metal, scared							water		3	6			
with coal	0	2	0				COAL	0	1	3			
Ft. In.											14	0	
COAL, tender 3 7							-	44.		30	TA	6	
COAL, coarse								11		9			
splint 1 7								0	4	4			
	0	5	2				Grey metal stone		-	0			
	_	_	_	6	5	6	Strata omitted	0	3	6			
Grey metal and metal								_		_	13	3	7
stone, with post							Consumental	0	0			-	-5
girdles	4	2	4				Grey metal	-	3	2		-	
Ft. In.							Strong white post		3	20			
COAL, soft,							Grey metal stone	2	3	U			
rather foul 1 2							Strong grey metal, in-	1	9	0			
Grey metal 0 1							clining to post	1	2	-			
COAL 0 1							COAL	U	1	10	5	1	2
	0	1	4				Grey metal stone	1	4	0	0	+	10
	-	-	-	4	3	8	0041 0 1	0		10			
Grey metal	0	2	9				COAL, foul	U	0	10	1	4	10
Whitish grey post	1	0	0				Grey metal	1	1	3			10
Grey metal stone, with							The state of the s	-	_	_		_	
girdles	4	3	11				Strong white post	-	1	0			
COAL, slaty							Whin	-		10			
first 3 inches, Ft. In.							Strong white post	-	0				
with water 1 4							Whin		3	7			
Grey metal band 0 8							0041	1	4	7			
COAL, foul 0 1							COAL	0	4	-	-	*	0
COAL, with							To owner motel				1	5	3
water 3 0							In grey metal				T	2	0
COAL, foul 0 6	W	1	-										
	0	5	7	100	1	12							
	_		_	7	0	3					_		
				-	-	-	Total		144		66	5	3
Carried forward				25	0	2	TOORT III		***	-	90	-	

#### No. 873.—FERRYHILL.

TOWNSHIP OF FEREYHILL, DURHAM.

Sheet 35 of Ordnance Map. About Lat. 54° 42′ 7", Long. 1° 34′ 2".

Boring in the fourth Hole, one mile North of Ferryhill, and 220 yards West of Turnpike. January 5th, 1836.

	_	_	_	-	_	_			_	_	_	-	-
Brown clay, with some	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fa. 21	Ft.	In.	Fa. 15	Ft.	In 8
small pieces of metal	3	4	6				Strong grey metal				-	100	-
COAL, soft							stone, inclining to						
	-	-	-	-	-	•	post		0	6			
	_		_	3	9	6	Strong white post,		-				
Grey metal and metal							mixed with whin		4	10			
stone	1	2	0						-9	10			
COAL, rather foul	Ô	0	11				Strong white post,		4				
O'NE, Indica tout	-	0	**	3	-	-2	with water	2	4	3			
	-	-	-	1	2	11	Strong grey metal		2	-			
Grey metal	0	5	1				stone			9			
			-				Darkish grey metal	0	1	0			
Strong grey metal	0		15				COAL, tender and						
stone	3	1	6				brownish the first						
Old waste (supposed to	-	-	-				16 inches	0	3	0			
be the Five-Quarter)	0	2	9					_		_	29	4	4
			_	4	3	4	Brownish grey metal	0				-	3
	-	-		-	-	-	Strong white post						
Grey metal	1	2	3										
Whitish grey post							Blue metal parting						
Grey metal stone	2	3	3				Strong white post						
COAL, soft coarse	0	1	8				Metal parting	0	1	0			
The state of the s					*	11	Strong white post,						
				D	9	11	with partings	0	3	5			
Grey metal and metal							Strong grey metal						
stone, with post							stone, with girdles		0	3			
girdles	7	3	4				Gullety mixed whin			-			
Grey and white thready		-					girdles		0	11			
post, with water	1	2	10				Grey metal stone						
Strong white thready	-	-	10				Black metal	õ	0	4			
							COAL						
post, with whin gir-	-		~				OOAL	0	1	-			
dles and water	0	3	8				The second second	-	_	_	9	0	5
Grey and white post,	The same						Grey metal stone, with						
with whin girdles	2	3	6				coal, foul	1	3	0			
Strong grey metal							COAL.foul	0	1	0			
stone, with water								_	-	_	1	4	0
and girdles	3	1	5								-	*	•
Grey thready post,							Grey metal and metal						
	0	4	4				stone, with girdles						
Strong white post,	-	-	-				COAL, strong	0	2	6			
with water	0	3	Q								=	^	
Grey metal and metal		0	0				Commence of the Commence of th				9	0	2
							Grey metal	0	5	10			
stone, with whin		4					COAL	0	2	0			
girdles	4	1	6				100000000000000000000000000000000000000				-		20
rey post	0	3	6							-	1	1	10
Strong white post,							Grey metal	0	0	2			
mixed with whin							Whitish grey post,	(8	2	5			
and water	0	1	3				mixed with whin	15	E		_	_	
							made with with	10	9	0			
0-116	07	~	-	1-	-	0	Carried forward	-	-	-	-	-	
Carried forward	251	23		100									

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 873.—FERRYHILL.—CONTINUED.

Fa. Ft. In. Fa. Ft. In. Brought forward 12 1 7 62 4 5	Fa. Ft. In. Fa. Ft. In. Brought forward 78 5 3
Dark blue metal 0 0 8  Ft. In.  COAL 0 11  Dark metal,	Grey metal stone, with hard girdles 3 0 4 COAL, slaty, Ft. In. and will not
scared with coal 1 6 COAL, with	cinder 0 8 COAL, good 3 10 0 4 6
sulphur 1 1 0 3 6 2 5 9	In whin or ironstone 0 0 1
Grey metal stone 3 0 8 COAL, foul 0 0 5 3 1 1	
Carried forward 78 5 3	Total 82 4 2

# No. 874.—FERRYHILL.

### TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. About Lat. 54° 41' 28", Long. 1° 32' 21".

Boring in the fifth Hole, at the East end of Ferryhill, in the third field West of Clarence Railway. July 6th, 1836.

Soil and clay				Fs. Ft. In.	Brought forward				Fs.	Ft.	In.
Soft marl					Blue and red metal						
Brown limestone, with	٠	U	7		Strong red and gre		٠	٠			
soft marly partings	2	4	R		post, with water		4	0			
Blue metal stone	ō	ŝ	2								
Brown post, mixed	ŭ	•	_		Whin Brown post	Ö	3	3			
with whin near the					Whin	. 0	Ō	6			
bottom	1	0	0			. 0					
Strong grey metal					In red post, with whit						
stone	0	1	9		girdles		1	1			
stone Red post	2	2	1		· ·				28	4	0
Grey metal	0	3	0								
Red post, with part-											
ings	2	5	0								
•			_								_
Carried forward	11	3	0		Total	,	•••	•	28	4	0

<sup>\*</sup> Approximate sea level 293 feet below this.

# No. 875.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Boring in the seventh Hole, at Ferryhill. October 2nd, 1838.

dravel and sand, with	Fs.	Ft.	In.	F8.	Ft. 1	in.	Brought forward			In.			
water at 9 feet from							Grey post		0			-	-
surface	4	4	0				Grey metal stone	0	3	8			
Red post	0	2	8				COAL (burns to red	-	_	-			
	0	2	9				ashes)	0	2	1			
TO THE REAL PROPERTY AND ADDRESS OF THE PARTY		ō	6				money	_		_	3	5	9
	-	4	4				Grey metal stone	2	1	4	-		•
0 0	o	-	4				White post, with whin	ĩ	î	10			
		ĭ	7					ô	0	6			
rey metal	0	0	7				Blue metal	0	5				
COAL	0	0	1			0	Stong white post	-		7			
		=	_	6	4	9	Dark metal	-		7			
drey metal stone, in-						- 1	Grey metal stone	-	4	8			
clining to post, with							Grey post		1	4			
water	6	1	3			1	Whin	0	3	0			
COAL, slaty	0	1	0			20	White post	1	5	4			
	_	-	_	6	2	3	Grey metal	0	0	8			
Grey metal stone	4	0	0				Black metal, scared						
Whin	0	1	6				with coal	0	0	6			
Grey metal stone	1	4	10				Grey post	1	2	2			
Ft. In.							Whin	0	1	6			
COAL 1 10							Strong grey metal						
Grey metal 0 8							stone, with post gir-						
COAL, foul 0 2								4	0	3			
OAL, 10m 0 2	0	2	9				Strong white post,	*	-				
	U	-	0	c	3	0		1	0	0			
Cum matal	-	4	6	6	9	U	mixed with whin	-	U	U			
Grey metal	5	4	0				Strong grey metal	ò	-				
COAL, strong Ft. In.							stone or parting	0		4			
coarse 1 8							White post, mixed	-	-				
COAL, foul 0 4	2	4					with whin	0	9	11			
-	0	2	0				Dark metal, with gir-						
A-1	-		-	6	0	6	dles	3	4	8			
Grey metal stone	1	2	9				White post, mixed						
Black metal stone	1	2	8				with whin	7	5	9			
COAL	0	0	11				Grey metal stone	1	3	8			
	_	_	_	3	0	4	Black metal, scared						
Dark metal	0	2	6				with coal	0	0	3			
Black metal	0		10				Hard girdle	0	0	1			
Whitish grey post,	-	6	-				Grey metal	0	0	3			
mixed with whin	2	1	10				Supposed Hutton	-	-	-			
Grey and dark metal							Seam—						
	0	0	10				COAL, good Ft. In						
COAL, foul 0 10							strong 4 0						
							COAL, coarse 0 2						
Dark grey metal 0 4							COAL, coarse of 2	0	A	2			
COAL, foul 1 4	0	0						U	4	-	90		
	0	2	6		1		***************************************				32	1	
	-		-	4	4	6	Into grey metal				1	0	
Grey metal stone, with	-	-											
girdles	2	0	0										
	-		-	-		_					-		
Carried forward	2	0	- 0	33	2	1	Total		100		70	4	

### No. 876.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. About Lat. 54° 40' 35", Long. 1° 33' 56".

Boring in the eighth Hole at Ferryhill, 450 yards South of Roughlee Farm House. October 23rd, 1838.

Approximate surface level 450 feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In.	Brought forward 40 2 5
Yellow and blue stony	
alar 1 5 0	COAL, foul 0 7
clay 1 5 0	
Stony limestone, with water at 8 fathoms	Grey metal, scared with
from the surface 16 0 0	coal 0 8
Blue metal stone, with	COAL, foul 0 8
girdles 2 1 4	COAL 0 8
Strong white post,	COAL 0 8 COAL, foul 0 7
mixed with whin 0 3 0	- 0 3 2
Strong red post 0 2 3	40 5 7
Strong red post      0     2     3       Blue metal      0     1     4       Red post      0     2     7       Strong red post      6     4     3       Blue metal      0     1     4	Grey metal 2 4 2
Red post 0 2 7	Black metal 0 0 4
Strong red post 6 4 3	Five-Quarter Seam-
Blue metal 0 1 4	Ft. In.
Red post, mixed with	COAL, strong 3 0
whin 5 1 11	COAL, coarse 0 9
Grey metal stone 2 2 0	COAL, splint 0 7
	— 0 4 4
	Grey metal 0 1 0
Grey metal 0 4 10	Into grey post 1 0 0
Black metal 0 1 1	1 1 0
Grey metal 0 3 4	
Carried forward 40 2 5	Total 45 3 5

<sup>\*</sup> Approximate sea level 1761 feet below this.

# No. 877.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DUBHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Strata bored through at Ferryhill, near to Thrislington Colliery, under the Bank before you come to Rudd's Hill.

To Main Coal Strata	4.4	Fs. 25 13 0	0 5	1 0		Ft.	In.	Brought forward 12 4 1 3 Grey metal stone 0 2 6 COAL — Low Main		
Grey metal Whin		11	5	9	39	0	4	Seam 0 3 0	3 3	7
Carried forw	ard	12	4	1	39	0	4	Carried forward 5	2 3 1	ī

# No. 877.—FERRYHILL.—CONTINUED.

Fs. Ft. In. Fs. Ft. In. Brought forward 52 3 11	Fs. Ft. In. Fs. Ft. In. Brought forward 59 1 11
Grey metal 0 3 0	Grey metal 1 1 3
Strong white post 0 3 2	Strong white post 1 1 0
Grey metal stone 2 3 0	Whin 1 0 0
Strong grey metal	Strong post 0 0 10
stone, inclining to	Whin 0 3 7
post 1 2 0	
Grey metal 1 4 0	Grey metal 1 0 0 COAL—Hutton Seam 0 4 7
COAL 0 0 10	
	5 5 8
Carried forward 59 1 11	Total 65 1 2

# No. 878.—FERRYHILL.

# TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Orduance Map. Lat. , Long.

# Account of Sinking at Four Lane Ends, near the Ferryhill Turnpike Road.

Yellow clay		Fs. 1	Ft.	In. 0	Fs.	Ft.	In.	Brough	t forwa	ard	Fs.	Ft.	In.	Fs. 16	Ft. 1	In. 2
Stony clay		4	3	0				Fire clay			0	1	8			
Loose seggar		2	0	0				Blue plate			0	1	6			
COAL (worked)		0	2	0				Fire clay			0	3	0			
					7	5	0	White post			3	2	0			
Grey post		2	0	0				Blue plate			1	0	0			
Blue plate								Black metal			0	0	10			
Sound white post		0	1	6				COAL			0	2	0			
COAL		0	0	8										5	4	7
		_			8	2	2	Fire clay						0	0	10
Carried forwa	rd				16	1	2		Total				_	22	0	7

### No. 879.—FERRYHILL.

#### TOWNSHIP OF PERRYHILL, DUBHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42' 25", Long. 1° 32' 42".

Bored in Mr. Boleby's Estate, on the South side of Thinford Lane, about 400 yards

East from Skelton's House.

Approximate surface level 348 feet above sea (Ordnance datum).

		_		_	_	_		_	_	-
		Ft. I		Fa.	Ft. 1	In.	Fa. Ft. In. F			
Soil and stony clay	2	3	0				Brought forward 2 0 0 1	4	0	3
Sand, with water	0	3	9				Black stone 0 0 7			
Stony clay	1	5	5				COAL 0 0 10			
Brown and grey post	1	1	6					2	1	5
Grey metal	0	0	6					911	3	-
Brown and grey post	2	1	9				Blue metal 0 3 9			
Strong grey post	0	1 1	10				Black stone 0 0 8 COAL 0 0 7			
Grey metal	0	1	0				COAL 0 0 7			
COAL, with water	0	2	5				Blue metal 0 0 4			
era seal construction			_	9	3	2	Whin and grey scamy			
Strong grey metal							post, with water 0 4 5			
stone	0	1	6				Grey scamy stone, with			
Grey metal	1	3	0				post girdles 0 5 10			
Whin	ō	0	9				A whin girdle 0 0 9			
Grey post, with water	0	1	6				Blue and grey metal 0 5 0			
Grey metal	2	ō	4				Black stone 0 0 10			
Blue metal	õ	0					Ft. In.			
Ft. In.	0	0 .	10				COAL 1 0			
COAL OC							Blue metal 0 2			
COAL, foul 0 8							COAL, hard 1 1			
OOAL, 1001 0 8	0	1	2				0 2 3			
	U	7	2		3	4		4		2
Black stone	-	0	4	4	9	1		4	0	9
	0	1	0				Grey metal 0 1 2			
Grey metal	0	1					Grey post 0 1 6			
Grey scamy post	0	1	6 3				In grey metal 1 4 0			
Grey metal	0	4						2	0	8
Grey scamy post	0	1 4 2 2	9					=	-	100
Grey metal	0	2	2			-				
Carried forward	2	0	0	14	0	3	Total *5	99	0	0
Carried forward	2	0	U	14	0	3	Total	00	4	9
							The state of the s			

Approximate surface level 2134 feet above sea (Ordnance datum).

# No. 880.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Second Place on the South side of Thinford Lane, 200 yards from the first.

Approximate surface level feet above sea (Ordnance datum).

Stone and stony clay				7 0 0 7 0 7 0 7 0			
Stone and stony chay in		***			7	0	0
Total	***	***	***	***	7	0	0

### No. 881.—FERRYHILL.

#### TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42′ 57", Long. 1° 32′ 48".

Thinford Borehole.—Tried in the first Field to East of East Howle Farm House, and the first to West of Mill Close Field. Bored in June, 1865.

Approximate surface level 300 feet above sea (Ordnance datum).

Soil, sand, and gravel	2	3		Fs.	Ft.	In.	Brought forward	8	0	6		Ft.	
Strong blue clay		1					Dark metal		1	9			
Blue metal COAL, strong	0	2	1				Fire clay	0	0	5	8	2	8
	_		_	7	2	3	Strong white post,				-	17	-
Fire clay	0	3	4				with water	10	0	7			
Blue metal		2					Blue metal			6			
Freestone, with water	1	2	2				Fire clay	0	3	6			
Soft parting		1	0				Light fire clay	0	1				
Grey metal	0	1	10				Dark fire clay	0	2	3			
Dark metal	0	2	0					-	-	_	12	3	6
Grey post	0	3	2				Black metal	0	0	7			
White post, with water	2	5	6				Fire clay	0	3	1			
Blue metal	1	3	3					-	-	-	0	3	8
Carried forward	8	0	6	7	2	3	Total				29	0	1

<sup>\*</sup> Approximate sca level 213 feet below this.

### No. 882.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Sinking Account of East Howle Colliery. 1872 and 1873.

					Fs.	Ft.	In.	-					Ft.	
Soil and clay	14.43	3	3	0				Brought forward	4	1	10	10	4	0
Rubble post		0	3	11				Strong grey metal, with						
Marl		1	3	10				water	0	1	8			
Post		0	4	6				Strong grey post	2	4	3			
Blue metal	***	3	4	9				Black metal	0		9			
COAL - E.H.			-					White post, with water						
Main		0	2	0				(100 gals. per min.)	11	1	6			
		_	_	_	10	4	0	Blue metal		5	- 30			
Fire clay	****	0	4	6	-	-	2	Fire clay (inferior)		3				
Grey post			4	- 3				Grey post	-	1				
Black metal	144	-	2					Blue metal	-		9			
Fire clay	***	-		0				Grey and white post						
Fire clay and	coal	-	*	0				Blue metal		2				
pipes	euu.	0	2	0				Dide medi	0	-				
100000000000000000000000000000000000000		-		_	-	_	_		_	-	-	_		-
Carried forw	rard	4	1	10	10	4	0	Carried forward	31	1	7	10	4	0

# No. 882.—FERRYHILL.—CONTINUED.

Brought forward		Ft.	In. F		4. 1		Brought forward	Fs.	Ft.	In.	Fa. 61	Ft.	In
	0	ō	94			0	0.00	0	3	3	OL	-	r
COAL (so-called	0	U	04				Marie Control of the	0	0	0			
	0	0	772				Grey post and grey	0	~	0			
Hutton Seam)	0	2	7章		-		metal	2	0				
	_	0		1	5	0	COAL	0	2	7	-		
Dark fire clay	0	0	6					-	-		2	5	Ц
Coarse fire clay	1		11				Coarse fire clay	0	2	0			
Grey post	0		8				White post and metal						
ron girdle	0	0	6				partings	2	0	10			
Blue metal and post							White post	8	5	6			
girdle	4	1	0				Soft blue metal	0	3	6			
COAL	0	0	6				COAL	0	0	6			
				6	4	1		_	- 91		12	0	
Fire clay	0	2	8				Fire clay	0	0	9			
Frey post	1	2	9				Black stone	0	2	3			
Blue metal	3	2	3				COAL	0	ĩ	4			
4	0	2	0				COAL		-		0	4	
COAL	0	ĩ	6				Grow most mindle	0	9	0	U	*	
COAL	U	1	77		-	2	Grey post girdle	0	2				
	~	0		5	5	2	Blue metal	1	0	2			
Fire clay	0	0					Dark fire clay	0	2	6			
COAL	0	0	3		2		Blue metal	0	1	4			
	-	-		0	1	2	Post	0	1	1			
Fire clay	0	2	6				Blue metal	0	1	6			
Blue metal	0	2	9				COAL	0	0	4			
Post	0	2	4					-	_	_	2	2	1
COAL	0	0	51				Dark fire clay	0	0	10			
	_	100	_	1 :	2	01	White post	0	3	9			
Fire clay	0	1	51			- 2	COAL	0	0	7			
COAL	0	î	1					_		-4	0	5	
	_	-		0	2	Gl	Fire clay	0	1	6		-	
Fire clay	0	1	6		-	02	Dark grey metal and	0	-				
Blue metal and post		-					4 44	2	4	3			
2.31	3	4	6					0	1				
	9	4	0				Blue metal	-					
Harvey Seam (so							Badger	0	0	10			
called) - Ft. In.							COAL - Brockwell	-		-			
COAL 2 2							Seam	0	4	2	-	2	
Band 0 0½								-		-	3	5	1 7
COAL 0 11													
	0	2	4										
	_	-	_	4	2	4							
			-	-	-	-	The second second				_		
Carried for	war	d	6	61	2	4	Total				84	2	
	117	-				1.3			-	-			

# No. 883.—FERRYHILL.

### TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Boring at East Howle Colliery from below the present Seam now working, at a point 100 yards West from the Shaft.

Seggar White seggar, mixed	0			Fs. Ft. In.  Brought forward  White post girdle	1	0	0	s. Ft. In.	
with ironstone		4	0	Grey post					
Carried forward	1	0	0	Carried forward	1	2	9		

# NORTHUMBERIAND AND DURHAM.

# No. 883.—FERRYHILL.—CONTINUED.

Marie Williams	Fs.	Ft.		Fs. Ft. In.						Fa. 1	Ft. In.
Brought forward	1	2	9		Brought forw	ard	18	4	31	10	1
Blue metal	0	0	8		Grey post	***	0	2	1		10.00
Grev post	1	0	0		Blue metal	***	1	2	8	- 7	11
Blue metal	0	0	8		Black metal	216	0	0	6		111
Post girdle	0	0	4		Blue metal	242	0	5	11		10
Black metal	0	1	5		Black metal		0	5	2		1.0
Blue metal	0	1	1		White post		0	1	6		
Post girdle	0	0	7		Grey post		0	0	101		
Blue metal	0	3	5		Whin		0	0	10		
COAL	0	0	11		Grey post		0	1	3		
Seggar clay	0	1	5		Blue metal		0	4	11		187
Blue metal	0	2	1		Grey post		0	2	8		
White post	1	4	10		Whin		0	0	44		
Brown post	0	5	1		Grey post		0	4	10		
Grey post	0	3	1		White post		0	0	10		
Dark metal	0	1	4		Blue metal		3	2	41		
Black metal, mixed		-			Dark metal		0	1	6		
with coal	n	1	2		Black metal		0	0	7		
Seggar	0	1	0		COAL		0	2	74		
White post	0	1	3				-	-		29	3 91
Grey post	-	1	0		Grey metal thill	144	0	4	1		-
White post	0	4	9		Grey post		0	1	0		
Whin	Ö	ő.	7		2000		_	-		0	5 1
White post	0	1	8								-
Carried forward	18	4	31		Total	***			1	30	2 101

# No. 884.—FINDON HILL.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. About Lat. 54° 48' 35", Long. 1° 37' 24".

Strata of the Shaft at Findon Hill Colliery.

	Fs.	Ft.	In.	Fs.	Ft.	In.	An addition to the same	Fs.	Ft.	In.	Fs.	Ft.	In
Soil	0	1	2				Brought forward	17	0	0	18	2	7
Clay	0	4	0				Grey metal	1	4	0			
Soft blue metal		1	0				White post		5	0			
Whinstone			0				Soft stone						
Freestone			0				Post, with whin girdles		4	6			
Soft blue metal	-		10				Dark post, with black		-				
Shield Row Seam-		-					stone	0	4	6			
Ft. In.							Dark blue metal						
COAL 3 5							Black stone, with coal						
Seggar stone 0 8							Grey metal, with post	0	0	0			
COAL 0 6							girdles	0	0	0			
OOAL 0 0	0		7					2	-	-			
	U	*		0	0	7	White post, with blue		-	2			
Deal al III atama	-	0	0	- 9	2	1	partings	3	1	0			
Dark thill stone		0					Blue metal	0	3	8			
Strong grey metal							White post	7	0	0			
COAL—5/4 Seam	0	2	0	120	4	4	COAL, good-Main						
	-	-	_	9	0	0	Coal Seam	0	3	0			
Strong grey metal, with post	17	0	0				1	_	_	_	41	5	4
Carried forward	17	0	0	18	2	7	Carried forw	ard			60	1	1

# No. 884.—FINDON HILL.—CONTINUED.

Brought forward	Fs.	Ft.			Ft.		Brought forward 2 3 5 60 1 11
Strong seggar	1	0 3 0	3				Strong grey metal 0 1 6 Post 0 3 0 3 1 11
Carried forward	_		_	60	1	11	To bottom of Sump *63 3 10

The pumping pit has since been sunk to the Brass Thill Seam, 2 fathoms lower.

\* Approximate sea level 118 feet below this.

### No. 885.—FISHBURN.

### TOWNSHIP OF FISHBURN, DURHAM.

Sheet 35/36 of Ordnance Map. Lat. , Long.

Account of the Boring in Colonel Beckwith's Property, near Fishburn, in the High Croak Land.

Soil			In.	Fs.	Ft.	In.	Brought forward				Fs. 48		In.
Marly limestone, with			0				Grey metal			0	10	-	
very hard beds (a							White post						
little water at 15 fa-							Whin	0					
thoms and a little							White metal	0	2	6			
							COAL, foul	0	0	5			
more at 19 fathoms	00		0				COAL, Iour	U	0	0	6	1	-
3 feet)	20	D	0				C			7	0	1	
Strong white lime-	-						Grey metal stone, with						
stone Gullety limestone	3	4	0				post girdles	1	1	2			
	1	1	0				White post, mixed	-	-	-			
Limestone, not very							with whin						
strong, with water							COAL, foul	0	0	5			
at 32 fathoms 2 feet								-	-	_	3	5	10
and a little at other							Grey metal, scared						
places	9	3	0				with coal	0	2	0			
and a little at other places Marl Gullety limestone	0	3	0				White and red post	6	3	0			
Gullety limestone	1	2	0				Metal parting	0	0	3			
Strong limestone, with							Grey post	0	2	4			
water	6	5	0				COAL	0	0	6			
water Grey metal stone	0	1	7						-	_	7	2	1
White limestone, with	-	-					White post, with coal				-	8	
water with	0	5	8				pipes		0	R			
water			0	48	1	3	White post	0	ŏ	10			
Commented with the				40			COAL (burns to red	U	0	10			
Grey metal, with gir-	-	0	77					0	1	0			
dles Whin	1	0	6				ashes)	U	1	0	0	0	4
77 88888		2	0				7-1				0	2	2
White post, mixed	-	~	-				Into grey metal stone						
with whin	0	2	7 7				(left off Aug. 11th,				-	-	-
with whin Red and grey post	0	1	7				1846)				0	2	0
White post	0	5	8										
Carried forward	4	0	5	48	1	3	Total				66	3	1
Carrett Lord Addition	-	1		-3"						-			

### No. 886.—FISHBURN.

# TOWNSHIP OF FISHBURN, DURHAM.

Sheet 35/36 of Ordnance Map. Lat.

, Long.

Strata bored through in the third Hole in Fishburn Estate, in Miss Chilton's Quarry, nearly one mile East of Colonel Beckwith's Boring, by George Stott.

September 7th, 1837.

	Fs. 1	Ft.	In.	Fs. 1	it, I	In.	Daniel de Const			In. Fs.	
Brown limestone, with marly partings and						4	Brought forward Grey metal and metal	6	D	10 50	2 4
water at 13 fathoms			4				stone, with post gir-	6	2		
3 feet from the top 3							dles	2	0	10	
Very white limestone	7	5	6				White post, mixed with	- 20		£.	
Brown limestone	1	3	0				whin Grey metal	0	5		
Strong white limestone,							Grey metal				
with water (bored							Black metal	0	1	0	
through, April 20th,							Grey metal, with whin				
1839)	0	2	0				girdles	1	2	0	
				44	2	0	girdles Black metal	0	0	8	
			="	3.3	2	0	Grey metal, with gir-				
Blue stone, with much							dles	0	2	3	
water	0	1	0				Dark metal, with				
Whin	0	0	6				scares of coal	0	0	6	
Strong grev post	0	2	3				Grey metal, with water	2	1	0	
Grey metal	0	4	0				Whin (got June 13th,	100	1		
Red, blue, and grey	-	-	-				through June 18th)	0	0	9	
metal stone, with							Strong grey metal	-	~	-	
girdles	9	3	0				stone, with girdles	1	3	4	
Strong grey post							White post, mixed	-	0	- 10	
Grav matal	1	0	9					0	1	10	
Grey metal Black metal	ô	1	3				with whin Grey post	ñ	1		
Distance in the control of the contr	0		0				Dark metal	0	1	6	
COAL, foul 0 6							Dark metal Black metal	0	1	9	
Grey metal 0 2							Grey and white post	0	1	2	
COAL, foul 0 4							Grey motal stone	0	2	0	
COAL, rather							Grey metal stone Grey post	0	0	6	
foul 0 8							Grey metal stone	7	9	0	
Grey metal band 0 1							Plant motel	1	0	9	
							Black metal	0	0	9	
COAL 0 10	0	0	h				Supposed 5/4 Seam-				
	0	2	-				COAL COAL				
a			=	6	0	4	COAL, foul 0 7				
Grey metal, with post		-					COAL 1 4				
girdles Red post	0	9	0				COAL, foul 0 4				
Red post	1	0	0				COAL, hard 2 8				
Whin (got May 3rd,	-							0	4	11	
through May 8th) Strong red post	0	1	Z					_		20	2 1
Strong red post	0	2	6					-		300	
Whin	0	0	6				Grey metal stone		5	0	
Red and grey post	0	3	0				Whin (got July 10th,				
Grey metal, with whin							through July 20th)				
girdles	2	1	8				Grey metal stone				
White post, with me-							COAL, foul		0	8	
tal partings and							Grey metal, with gir-				
whin girdles	1	4	0				dles		4		
							COAL	0	0	6	
	-		-	-		_		-	-		
Carried forward	6	5	10	50	2	4	Carried forward	5	3	11 70	) 5

D-116-1	Fs.	Ft.	In.	Fs. 70	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Brought forward	5	3		70	5	2	Brought forward 3 2 7103 5 11
Black metal	0	0	8				Grey metal 0 1 2
Dark grey metal	1	4	0				OOAL, 1001 0 0 0
Dark grey metal Grey post COAL Grey metal	-	9	4				Light grey metal, with
Ivor motel	0	1	12				scares of coal 0 1 10
Frey metal  Hard girdle  Frey metal stone	0	0	0				Black metal 0 1 5 COAL, foul 0 0 10 Grey metal 0 4 11 COAL, foul 0 0 10 Grey metal 0 3 3
from motal stone	0	1	3				Chen metal 0 4 11
Whin Goot Aug 20th	0	1	U				COAL ford 0 0 10
Whin (got Aug. 29th, through Sept. 4th)	0	1	4				Crow motel 0 0 10
	O		4				COAL, foul 0 0 4
trong white post,	0	4	=				OAL, 10m
with metal partings Vhite post, mixed with	0	4	5				Grey metal 0 1 0
	0	3	4				Strong grey post, with thin girdles and
	9	1	- 20				protes Bresses steam
ted and grey post	0						metal partings 1 3 10
White post	0	0	5				Strong white post 1 1 11
OAL, strong	U	-	0	10	0		Grey metal 0 5 2
tuone more motel				16	2	5	COAL, good   * 0 2 7 COAL, foul   * 0 0 3
trong grey metal	1	1	0				Conversal with whin
stone Vhite post	0	4	0				Grey metal, with whin
rov motal stone	1	0	0				girdles 0 5 6
rey metal stone	0	1	0				
OAL	U	1	0	9	-	9	August 24th, 1840.—
non motal stone	0	0	6	3	1	3	Bored further by
Park blue metal		1					George Stott :-
upposed Main Coal	U	1	6				Strong grey metal
upposea Main Coal							stone 0 2 6 Soft grey post 0 5 3
Seam- Ft. In. COAL, good 2 4							Sort grey post U 5 5
COAL, coarse 1 2							Grey metal 0 1 4
	ò	0	0				Post girdle 0 0 4
	0						stone 0 2 6 Soft grey post 0 5 3 Grey metal 0 1 4 Post girdle 0 0 4 Black metal, mixed
rey metal stone	1	9	0				with coat 0 0 7
*** ***	0	4	3	0		0	Dark grey metal 0 1 6 Grey post 0 5 2
Daniel La William				0	4	9	Grey post 0 5 2
Bored by William							Whin (got Oct. 7th,
Coulson:							through Oct. 28th) 0 1 7 Grev post 1 3 4
trong white post, with	0	4					many Poors in the case of the
metal partings	2	1	0				Dark grey metal and
Black metal, with some	0	0	10				metal stone 1 0 6
scares of coat	0		10				Grey post, with metal
rey metal Black metal, with scares of coal	0	5	0				stone partings 1 0 2
metal, with		4	0				Strong white post,
scares of coat	0	1					mixed with whin 0 2 8
trong white post	2	0	0				Grey post 0 5 6 Whin 0 1 1
trong white and grey							Whin 0 1 1 Grey metal parting 0 0 6
post, with metal	-						Grey metal parting 0 0 6
partings	1	2	6			-	Strong white post 0 3 4
	-	_		6	4	4	Dark grey metal, with
lue metal	0	3	10				post girdles 1 5 0
slack metal, with	-		-				Black metal 0 0 5 Strong girdles 0 0 3 COAL 0 0 7
scares of coal	0		6				Strong girdles 0 0 3
rey metal trong white post	0	5	8				COAL 0 0 7
trong white post	0-	1	9				10 5 7
rey metal Vhin	0	2	4				Grey metal and metal
Vhin	0	1	0				stone, with thin post
trong white post	0	2	0				girdles 1 1 0
trong grey metal	0	2	6				Dark metal 0 2 2
Black metal, mixed							Black metal 0 0 1
with coal	0	1	0				COAL 0 0 41
2 144	-	-	-	-		-	
Carried forward	3	2	7	103	5	11	Carried forward 1 3 71 126 1 7
with coal	-	-	7				

	12-	704	In.	120	TPA	T.		D.	704	To	Fs.	Tris.	Y
· Brought forward							Brought forward				130		
Grey metal				-	-		Whin girdle		ō	4		-	-
COAL	0	0	7				Grev post	0	2	6			
	_			2	3	74	Grey metal stone	0	2	5			
Grey metal	0	0	8	-	-	**	Grey metal stone Grey metal	0	ī	2			
Grey and white post			6				White post, mixed	-		м			
White post, mixed	-	15					with whin	0	1	6			
with whin	0	1	5					_	_		3	4	6
White post	0	î	5				Grey post, with metal				-		
Whin							stone partings	0	3	10			
White post, mixed	~	-					COAL, rather foul						
with whin	0	0	4				Grey metal	0	2	3			
Grey metal parting		0					Whin	0	0	4			
Whin							Dark metal, with post		*	-			
Dark grey post	0	4	3				girdles		3	10			
Bred Post	_	-	_	1	5	9	Dark metal, mixed		-	-			
Whin	0	1	3	-	-		with coal	0	0	7			
Strong dark grey me-	-	-	-					_	_	_	2	5	5
tal stone	0	2	10				COAL, with sulphur	0	1	0		-	-
Whin girdle			6				Grey metal, mixed with	-		1			
Dark grey metal stone,		-	-				coal	0	1	6			
mixed with post		0	6				In white post						
Dark metal							and trained poor	_	-	_	0	4	4
Carried forward	2	2	71	30	41	11	Total		10	1	38	1	21

# No. 887.-FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 29' 12".

Account of the Boring in Flatworth Ground, near Shire Moor, about 100 yards West from the Hole near the Wagonway Side. December 30th, 1765.

Approximate surface level 150 feet above sea (Ordnance datum).

Sunk to the scaffold	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward					Ft.	
(about)			-	13	5	3	White post, with red-						
Box	4	0	0				dish scamy metal						
Stony clay	6	1	6				partings and water	8	0	0			
Soft brown ramble,	0	5	3				Black metal, mixed						
with water ?					=		with coal	0	0	4			
			0				Red scamy metal, with	7.					
Soft blue grey metal	-	0					girdles and water	1	1	0			
Soft black metal	U	4		10		0	Green scamy metal	*	-	~			
	_	-		14	1	9		1	0	0			
Black stone	0	0	6										
Soft black metal, with							Blue metal	0	4	0			
a mixture of coal							Black stone	0	0	9			
Soft grey metal	1	2	3				Grey metal	0	1	6			
Strong red and grey							Grey metal stone	1	2	4			
scamy metal	0	3	6				COAL, foul	0	0	6			
Carried forward	2	3	3	28	1	0	Carried forward	15	1	8	28	1	(

\* Approximate sea level (Ordnance datum).

rought forward					Ft. In.	Brought forward 2 2 7 130 4 11 ±
					1 /	Brought forward 2 2 7 130 4 11 1
ietal	0	0	0			Comment of the control of the contro
	0	U	1	-		Whin girdle 0 0 4 Grey post 0 2 6 Grey metal stone 0 2 5 Grey metal 0 1 2
Marie	-		-	2	3 71	Grey metal stone 0 2 5
ietal						
nd white post	0	2	6			White post, mixed
post, mixed						with whin 0 1 6
whin	0	1	5			3 4 6
whin post	0	1	5			Grey post, with metal
	0	0	6			stone partings 0 3 10
post, mixed						COAL, rather foul 0 0 7
whin	0	0	4			Grey metal 0 2 3
netal parting	0	0	3			Whin 0 0 4
	0	0	5			Dark metal, with post
rey post	0	4	3			girdles 1 3 10
110				1	5 9	Dark metal, mixed
	0	1	3	8	-	with coal 0 0 7
dark grey me-	•	-	-			2 5 5
tone	0	9	10			COAL, with sulphur 0 1 0
rirdle						Grey metal, mixed with
rey metal stone,	0	-	U			coal 0 1 6
d with post	1	0	e			
						In white post 0 1 10
netal	0	0	0			0 4 4
rried forward	2	2	7	130	1111	Total 138 1 21

# No. 887.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0′ 23", Long. 1° 29′ 12".

ant of the Boring in Flatworth Ground, near Shire Moor, about 100 yards West from the Hole near the Wagonway Side. December 30th, 1765.

to the scaffold of the scaffol	9 with coal Red scamy metal, wire girdles and water. Green scamy met stone Blue metal Black stone Gr	d 2 d- al set 8 ed 0 th 1 al 0 0 0 0	0 0 1 0 4 0 1 2 0	3 0 4 0 0 9 6 4 6	28	1	0
3	3 28 1 0 re	1 15	1	8	28	1	0
'opr	oximate ser las				F		8



	Fs.	Ft.	In. F	s. Ft.	In.		Fs.	Ft	In.	Fa.	Ft.	In.
rought forward						Brought forward					4	114
metal						Whin girdle Grey post Grey metal stone	0	0	4			-
14	0	0	7			Grey post	0	2	6			
	-			2 3	71	Grey metal stone	0	2	5			
metal	0	0	8			Grey metal	0	1	2			
and white post		2	6			White post, mixed						
post, mixed						with whin	0	1	6			
th whin	0	1	5				_		_	3	4	6
10 post	0	i	5			Grey post, with metal				100		-
11	0	ô				stone partings		3	10			
post, mixed	-	-				COAL, rather foul	0	0	7			
th whin	0	0	A			Grey metal						
metal parting	0	o.	9			Whin	0	0	4			
netar pareing	0	0	5			Dark metal, with post		~				
alt owner mont	0		0			girdles		0	10			
k grey post	U	4	0 1		9			0	10			
100	-	4	- 1	0	9	Dark metal, mixed		0	-			
lin	U	1	3			with coal	0	U			-	-
ong dark grey me-	-	-	**				_		-	Z	D	D
al stone						COAL, with sulphur	0	1	0			
tin girdle		0	6			Grey metal, mixed with	-					
irk grey metal stone,			-			coal						
mixed with post						In white post	0	1	10	-	-	
ark metal	0	3	6				_	-	-	0	4	4
Carried forward	2	2	7 13	0 41	111	Total			1	138	1	21

# No. 887.-FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 29' 12".

Account of the Boring in Flatworth Ground, near Shire Moor, about 100 yards West from the Hole near the Wagonway Side. December 30th, 1765.

Fs. Ft. In. Fs. Ft. In.						Ft.	In.
nk to the scaffold	Brought forward	2	3	3	28	1	0
(about) 13 5 3	White post, with red-						
4 0 0	dish scamy metal						
ony clay 6 1 6	partings and water	8	0	0			
It brown ramble, (0 5 3	Black metal, mixed						
with water 1. (1 1 9	with coal	0	0	4			
Thue grey metal 1 3 0	Red scamy metal, with						
\ metal 0 2 3	girdles and water	1	1	0			
14 1 9	Green scamy metal						
Marketon T	stone			0			
metal, will	Blue metal						
are of cool	Black stone	0	0	9			
a metal	Grey metal	0	1	6			
red and	Grey metal stone	1	2	4			
a proper	COAL, foul	0	0	6			
arried for	Carried forward	15	1	8	28	1	(

# No. 887.—FLATWORTH.—CONTINUED.

	-	Date:	2.07			-	
Brought forward				Fs.			Brought forward 2 2 8 55 3 7
Greenish blue metal	19	1	0	40	1	U	White post, with mix-
CIT COLLEGE WALLA COLLEGE	-						
stone, with metal		-	0				Contract of the Contract of th
partings	4	5					
Whin lump Grev metal	0	0	4				1 2 2 2 2
		- 2	9				Grey metal 0 3 6
Blue and black metal		4	3				Greenish metal stone 1 3 0
COAL, foul	0	0	3				Blue metal 0 3 0
Grey and greenish							Whin 0 0 4
metal	0	4	0				Grey metal 0 1 6
Whin	0	3	0				Black metal, with
Greenish grey metal							scares of coal 0 1 0
stone	2	4	0				Blue metal 0 1 0
Grey and white post,							COAL 0 0 6
with scamy partings	0	5	8				Black stone 0 0 2
Grey metal stone	0	0	4				COAL 0 0 3
COAL		0	11				8 0 4
Blue grey metal	0	0	2				Green and greenish
Black danty metal,							metal stone 0 2 0
mixed with coal	0	0	3				In white post 0 0 3
		_		27	9	7	0 2 3
Grey metal	0	0	6		-		
		4	6				Total 64 0 2
Grey metal stone Black and blue metal	0	1	0				
white many was a constant	U		U				N.B.—Rods measured
Grey metal and metal		2	8		-		by M. Hall 50 1 3
stone	1	4	0				Sinking 13 5 3
0 110	-	0	0		0	-	Total 64 0 6
Carried forward	2	2	8	55	3	7	

# No. 888.—FLATWORTH.

#### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 15", Long. 1° 29' 19".

Account of Strata bored through in No. 1 Hole at the West end of High Flatworth Lane. Begun July 1st, 1816; finished July 20th, 1816.

Soil Brown gravelly clay Sand, with water Sand, with clay and water Blue gravelly clay Sand, clay, and gravel Gravel and clay Whin tumblers Blue gravelly clay Sand and gravel	0 1 1 1 0 2 0 4 0 4 0 2 0 1 0 1 1 5	0 6 6 0 0 0 6	Brought forward Blue gravelly clay Sand, with water Blue gravelly clay Grey metal Blue gravelly clay Brownish grey metal Black metal Left off in grey metal (July 20th, 1816)	6 0 0 11 0 (5 1 1	1 0 3 0 3 6 0 10 0 5 4 6 0 6 2 6		Ft.	0
Carried forward	6 0	3	Total	100		27	0	0

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 889.-FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 16", Long. 1° 29' 16".

Account of Strata bored through in No. 2 Hole at High Flatworth, 50 yards Northeast from the first. Begun July 22nd, 1816; finished August 13th, 1816.

Approximate surface level 143 feet above sea (Ordnance datum).

4 11	Fs.	Ft.	In.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Soil	0	1	0	September 1	Brought forward 4 5 9
Brown clay	0	5	9		Blue gravelly clay 1 1 8
Sand and water		3	4		Sand and clay 0 0 10
Blue gravelly clay	-	4	0		Blue gravelly clay 2 5 9
Sand	- 2	1	2		Whin tumbler 0 1 10
Blue gravelly clay	- 0	4	3		(14 1 4
Sand		0	10	3	Blue gravelly clay
Leafy clay			6		Dry sand 0 2 8
Blue gravelly clay	- 0	5			Brownish grey metal
Sand		1	3		stone 0 4 6
	-	-	-		25 1 6
			8		20 1 0
Carried forward	A	K	9	1	Total 25 1 6

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 890.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 17", Long. 1° 29' 19".

Account of Strata bored through in No. 3 Hole at High Flatworth, 45 yards Northwest from No. 2 Hole. Begun August 5th, 1816; finished August 13th, 1816.

				Fs. Ft. In.					Fs.	Ft.	In.
Soil	0	1	0		Brought forward	6	0	0			
Brown gravelly clay	1	1	8		Sand	0	0	10			
Sand and water					Blue gravelly clay						
Blue gravelly clay	0	1	6		Dry sand and broken						
Sand and water					post		0	6			
Blue gravelly clay					Black metal	0	1	0			
Leafy sand and clay					Left off in grey metal	0	0	6			
Blue gravelly clay				100		-	-	-	23	5	10
Carried forward	6	0	0		Total				23	5	10

<sup>\*</sup> Approximate sea level 11 feet below this.

# No. 891,-FLATWORTH.

### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

No. 1 Boring, made at top of Bank, at Flatworth Shore and Hayhole. Borehole East of Saugh House.

Approximate surface level feet above sea (Ordnance datum).

Soil	0	1	1	Fs. Ft. In.	Brought forward	Fs. 3	Ft.	In.	Fa.	Pt.	In
Yellow clay Dark brown clay, with blue and sandy partings					Very strong dark brown clay, mixed with pebbles	0	4	6			
Leafy clay, intermixed with sand Loose sand and gravel					Dark brown clay, very fine and tough Sand and water, mixed		4	8	3	D	0
					Sand and water, mixed	-	3		4	1	10
Carried forward	3	1	2		Total				8	1	6

### No. 892.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

No. 2 Borehole, West of West Gears of Blyth and Tyne Railway Company's East Shipping Places.

Approximate surface level feet above sea (Ordnance datum).

Soil Pebbly yellow clay Strong dark brown	0	1	0 4	Fs.	Ft.	In.	Brought forward Sand Leafy clay	4 0	1	6 3	5	FL O	In. O
Dark brown clay, with tumblers	-		-	5	0	0	Sand and leafy clay Sand, with water	0 1	1 2	3 9	5	2	0
Soft brown and light brown clay								-		_	1	4	0
Carried forward	4	3	6	5	0	0	Total			-	12	0	0

Left off in sand, the hole having closed.



### NORTHUMBERLAND AND DURHAM.

# No. 893.—FLATWORTH.

### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

# No. 3 Borehole, near Farm House, at Hayhole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. Ft. In.	1				Fs.	Ft.	In.
Soil					Brought forward	2	4	9			
Yellow clay, with					Strong dark brown						
tumblers	0	Я	4		clay, with tumblers	3	2	0			
Strong dark brown	-	_	_		Dark brown clay, with	_	_	_			
pebbly clay	1	1	R		sandy partings	1	2	ß			
					Deale become leafer along	ā	~	2			
Sand	U	z	1		Dark brown leafy clay						
Strong dark brown		•			Sand	0	2	8			
clay	0	1	2								
Blue clay, with a mix-	_	_									
ture of sand	Λ	1	e		i						
cure or same	U	-	U		i						
	_								_		
Carried forward	2	4	9		Total				10	1	5

# No. 894.—FLATWORTH.

#### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat.

, Long.

# No. 4 Borehole, near Sadler's Tile Works.

Approximate surface level

feet above sea (Ordnance datum).

Rubbish and clay Dark brown clay, with	Fa. O	F1.	In. O	Fs. Ft. In.	Brought forward Pebbly dark brown	Fs. 5	FL 1	In. 2	Fs.	Pt.	In.
tumblers and pebbles Sand and gravel					clay Light brown clay	2	0	7			
Strong and pebbly dark brown clay Sand, with gravel and					Leafy clay	_			9	1	4
water	_				m.4-1				_	_	<del></del>
Carried forward	ð	1	2		Total		•••		≝		<b>=</b>

# No. 895.—FLATWORTH.

# TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map.	Lat.		, Lo	ng.	
Sections of Boreholes in Flatwor		•			l in hard corn.)
Approximate surface level	feet abo	ve sea	(Ord	lnanc	e datum).
In strong blue clay	To. 1 Hole.		M.	Ft. Ir	. Fa. Fa. In. 4 3 0
_	_	•••			
_	No. 896. To. 2 Hole.				
			•		
Strong blue clay, with a sipin In strong blue clay			8 1 —		
1	No. 897.				
Λ	o. 3 Hole.				
Brown and blue clay			2	0 0	
Sand, with a little water, whi within 20 inches of surface			0	1 1	
In strong blue clay				2 0	2 8 1
_	No. 898.				
X	o. 4 Hole.				
Strong blue clay Whin boulder			2	0 8	
In blue clay			2	8 6	
					4 4 6
1	No. 899.				•
Λ	o. 5 Hole.				
Sandy clay and sipings of wa				3 0 5 6	
In strong blue clay		•••			3 2 6
•	T 000				
	No. 900. To. 6 Hole.				
•				0 10	
Brown and blue clay Sand and a little water		•••	0	2 10 0 8	
In strong blue clay		•••	<u> </u>	1 0	2 4 6
	Vo. 901.				
N	o. 7 Hole.				
In brown and blue clay					4 0 0

# No. 902.—FLATWORTH.—CONTINUED.

			No. 8 1	Tole.*					
Clayey sand						Fa.	Ft. 5	In. 6	Fa. Pt. L
Sand, with wat		•••		···		ŏ	ŏ	6	
In blue clay	•••					Õ	ì	Õ	
								_	1 1
			No. 9	903.					
			No. 9	Hole.					
Sandy clay	•••		•••				5	0	
In blue clay	•••	•••	•••	•••	•••	0	4	0	1 3
			NT - (						
			No. 9						
011						_	_	_	
Sandy clay In blue clay	•••	···			•••	0	2	0	
	•••	•••	•••	•••	•••	_		_	0 4
			No. 9	905.					
			No. 11						
Clayey sand						0	5	0	
In blue clay	•••					ŏ	ĭ	ŏ	
-	-								1 0
			No. 9	906.					
			No. 12	Hole.					
Sand and water	r		•••	•••		0		0	
In blue clay	•••	•••	•••	•••	•••	0	2	0	1 1
			NT						===
			No. 8						
			No. 13			_			
Sand and water In blue clay	r 	•••	•••	•••	•••		4 3	0	
an brue tiny	•••	•••	•••		•••			_	1 1
			No.	100					
			No. 9	• • • •					
In blue elec			No. 14						
In blue clay	•••	•••	•••	•••	•••				1 4
			No. S						
			No. 15	Hole.					
Sandy clay			•••	•••		0	3	0	
In blue clay	•••	•••	•••	•••	•••	<u> </u>	4	0	1 1
			NT - 4	110					===
			No. S						
01			No. 16	•		_	_	_	
Sandy clay In blue clay			•••	•••		0	5 2	0	
Dine cray	• • •	• • •	•••	•••	• • • •	v	•	U	1 1

<sup>•</sup> No. 8 Hole was the first hole in which water was found to the least extent. The water came to the surface, but in no great quantity.

# No. 911.-FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Boring Account of Engine Pit, at Flatworth.

Approximate surface level feet above sea (Ordnance datum).

Sunk to bottom of 2nd	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward		Ft.				In
set Bunton				59	3	6	COAL, foul-70 Fa-		-			-	ľ
Grev metal stone	2	2	10	00			thoms Coal	0	1	9			
Dark grey metal			6				thoma cout		*	-		9	6
Whin	0		6				Grey thill	0	1	1		-	18
Dark grey metal, with							71	1					
	1	5	0				A CONTRACTOR OF THE PARTY OF TH		2	0			
girdles Dark blue metal	1		0					T and	*				
ALCOHOLD TO THE PARTY OF THE PA	1	5	0				White post	1	4	0			
Grey metal	0	1	6				Black stone	0	1	9			
Whin	U	1	D				Grey metal, with gir-		-	-			
Grey metal, with whin	-	~					dles	1	5	3			
girdles	1	0	8 6				Grey metal stone	1	2	0			
Post girdles	1	2					White post, mixed in	12	-	1			
Grey metal stone	0	3	9				parts with whin	6	1	0			
Grey metal stone, with	2	-					Whin	0	5	0			
coal	0	1	3	-	-		White post (3rd set						
	-	_	-	11	4	6	intended here)	3	1	0			
Grey metal	0	1	6				Black stone	0	0	5			
Scamy white post	1	2	6				Grey metal	0	3	2			
Grey metal, with gir-							In white post (and						
dles	0	5	0				lost rods)	0	5	0			
Black stone	0	0	8				and the same of th				25	0	
Grey metal, with gir-											-		п
dles	2	3	10										
Carried forward	5	1	e	71	2	0	Total			-	01	*	-
Carried forward	0	-	0		-	0	Total			4	.01	9	e.

# No. 912.-FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Sinking Account of last Borehole, Engine Pit, Flatworth.

Sunk formerly	Fs. Ft.	In. Fs. 51		Brought forward Fs. Ft.	In.		Ft.	
White post	3 4	6		Grey metal 0 0	4	-	-	**
Brown metal stone Blue metal, with post				Dark grey metal 0 1 COAL (bottom or 2nd				
coal	2 2	11		set Bunton) 0 1	0			
COAL	0 0	6			_	0	2	7
		- 7	3 11				7	
Carried for	ward	59	0 11	Carried forward		59	3	6

# No. 912.—FLATWORTH.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fa. 59	Ft.		Brought forward			n. Fs. 0 59		
Grey metal stone	2	2	10	•	Ī	-	White post				Ī	•
Dark grey metal	1	4	6				Blue stone, with post					
Whin	0	0	6				girdles	0	5 1	0		
Dark grey metal, with							COAL, mixed with					
girdles							black stone	0	1	3		
Dark blue metal	1	1	0				-			- 9	1	5
Grey metal	0	3	0				į					
Carried forward	7	4	10	59	3	6	Total			_68	4	11

# No. 913.—FLATWORTH.

### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 41", Long. 1° 28' 31".

# Sinking Account of New Pit, Flatworth Colliery.

Outset	Fs.	Ft.	In.			In. O	Brought forward				Fs. 13		
	Q	4	٥		•	•	Dark grey metal stone,	_	Ξ,			_	-
Clay	~	7	ě				with black stone in						
Post girdles Dark grey metal stone Black stone	ĭ	î	Ř					2	5	в			
Dark grey metal stone	<u>,</u>	•	X				sundry places	5	ĭ	ŏ			
Black stone	U	Э	U				OOAL	٠	•	٠			
Black stone. mixed							1			_	4	2	- (
with catheads	U	1	Ū				Grey thill	۸	A	Λ			
Brown post	6	3	6					U	-30	v			
with catheads Brown post Grey metal	1	1	0				Dark grey metal, with	^		0			
COAL	0	0	4				post girdles	U	4	O			
				19	Q	10	Brown post — Main	_	_	_			
					u	10	Post COAL	7	1	8			
Grev metal	0	3	0				COAL	1	1	0			
Grey metal Post girdles	0	4	6								9	5	2
Carried forward	_	1		19	2	10	Total .			•		4	-(

<sup>\*</sup> Approximate sea level 14 feet below this.

# No. 914.—FLEETHAM.

### TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat. , Long.

Account of Strata bored through at Fleetham, near North Sunderland. 1867. No. 1 Hole.

Approximate surface level about 100 feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In. 1 0 6 0 0 6 7 4 0 0 5 0 0 3	Brought forward  Ft. In.  COAL, good 1 1  Metal 0 4  COAL, slaty 0 10  Into grey metal stone	9	2	8	In.
Carried forward	9 4 3	Total			10	 _6

# No. 915.—FLEETHAM.

#### TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Orduance Map. Lat. , Long.

No. 2 Hole at Fleetham, near North Sunderland.

Soil and clay Metal Limestone Metal	7  		Fa 1 7 1 0	1 1 0	In. 6 6 6 4	Fa. F	t. In.	Brough COAL Metal COAL Into metal	 	Ft. 1 0	rd In. 3 8 11		Ft. 3		Jr.	n.	Ia
												_	_	_	10	1	3
Carried	forwar	rd	9	8	10				Tot	al	•••		•••	=	10	1	_3

### No. 916.—FLEETHAM.

### TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat.

, Long.

No. 3 Hole at Fleetham, near North Sunderland.

Approximate surface level about 100 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	-			Fs.	Ft.	In,		Ft.	In.
Clay	***		0	5	0				Brough	t for	ward				14	0	11
Limestone	444		3	1	0				Metal		411	3	3	6			
Metal			1	3	0				Limestone	***		1	1	6			
Post			0	3	0				Metal		1000	0	3	9			
Metal	***		2	1	6				COAL			0	0	4			
COAL			0	0	8				Into metal			0	0	11			
			-			8	2	2	The state of the s								
Metal			2	0	0							-	_	_	5	4	0
Post			3	3	0												
Metal	***		0	1	0				1								
COAL	***	***	0	0	9												
			_	-	-	5	4	9									
	Carried	for	wor	d		14	0	11	To	tal					19	1	11
	Carrie	LIOI	1120	u		LE	0	44	10	Cent	***		***	-	10	4	7.7

### No. 917.—FOLLEY HILL.

#### TOWNSHIP OF

Sheet of Ordnance Map. Lat.

, Long.

Account of Strata sunk and bored through at the Folley Hill, in George Silvertop's Grounds, about 260 yards South of the Wagonway. July 26th, 1811.

Dry sand and gravel,	Fs.	Ft.	In.	Fs.	Ft	In.	Brought forward				Fs.		
sunk into	7	2	0				Black stone, mixed	~	-	0	10	0	Og
Water, running sand, gravel, and a great		-	- 7				with scares of coal	0	4	10			
quantity of tum-							danty, as above	0	2	0			
bling stones	1	3	0					_			1	3	6
Strong clay and tum-							[It appears that the						-
bling stones	6	2	5				above metals are all						
Soft black metal stone	-0	1	11				put on above the						
COAL, black danty,							Main Coal.						
good for nothing							Soft thill	0	4	0			
(supposed an Onput							Strong white post	1	1	2			
Seam of Coal)	0	3	4	k			Soft black metal	1	1	8			
	_	-	_	16	0	81	Soft black metal,						
Soft thill and black							mixed with coal						
metal stone	0	2	4				pipes	0	0	10			
COAL, black danty,							Very soft thill	1	0	2			
as above	0	0	4										
Carried forward	0	2	8	16	(	84	Carried forward	4	1	10	17	4	91

# No. 917.—FOLLEY HILL.—CONTINUED.

Describt Command	Fs.	Ft.	In.	Fs.	Ft.	In.	P				Fs.		
Brought forward Strong white post (fit		1	10	17	4	24	Brought forward Very strong white	5	3	3	21	2	22
to build a wall upon)		1	5				post, with whin	2	0	4			
COAL, soft danty,			-				Cash parting	0	0	2			
as above	0	0	5				Very strong white and						
Soft thill, mixed with							grey girdles	1	0	3			
metal stone	0	1	1				Soft black	0	1	3			
Soft metal stone	0	5	1				Thill and grey metal	1	1	5			
Blue metal stone,							Soft grey metal, with						
mixed with whin							grey girdles	0	4	5			
girdles 3 or 4 inches							Very soft blue metal						
thick	0	2	6				stone	1	3	9			
Strong dun whin, very							COAL (supposed						
	0	0	10				Crow Coal)	0	1	7			
hard White post	0	1	4				334443	_			12	4	
COAL, rather strong,							Soft thill	0	3	8			
might be worked in							Soft blue stone, with						
hardness (supposed							ironstone	0	3	3			
Main Coal)	0	1	8				Soft black danty stuff						
	_	_	_	9	4	2	Soft thill danty stuff						
Thill and soft blue							Supposed 5 4 Seam-						
metal stone	0	3	0				COAL, soft Ft. In.						
COAL, soft danty,							thill danty 0 4						
		0	2				Soft band 0 5						
good for nothing Soft blue stone	0	1	3				COAL, soft						
Strong white post,							danty, good						
with grey girdles	1	2	8				for nothing 0 6						
Cash parting	0	0	2				COAL, rather						
Strong white post	1	4	8				strong 2 1						
Cash parting Strong white post Cash parting	0	0	2					0	3	4			
Strong white post,								_		-	1	5	0
with whin girdles	1	2	11				Blue metal and grey						-
Cash parting							girdles (not through)				0	5	2
Carried forward	5	3	3	27	2	41	Total				42	4	11

# No. 918.-FORD.

# TOWNSHIP OF FORD, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 37' 59", Long. 2° 4' 14".

Section of Strata sunk through at Ford Colliery. Measured by J. Patrick. 1817.

Approximate surface level about 345 feet above sea (Ordnance datum).

Surface and f	reestone		Ft.	In.	Fs.	Ft. In.	Brough	t for	brow	F8.	Ft.		Fs. 15	-	ln. 10
Metal		-0	3	0			Dent		ward	0	0	6	10	*	20
Freestone tills		0	5	6			COAL-1				×.	-			
Metal		0	1	6			Seam	***	100	0	3	0			
Freestone		0	1	6			-			-	-	-	1	2	10
Metal		0	1	0			Dent	***	144	0	0	5			
COAL		0	0	3			Freestone		***	0	0	7			
		_		_	15	4 10	Metal	***	***	0	1	0			
			-	-	10	2 10	Limestone	***		0	0	6			
Metal			2	0			Dent	***		0	0	8			
Limestone		0	3	4			Freestone		***	0	1	8			
							Metal	***	***	0	0	3			
Carried fo	orward	0	5	4	15	4 10	Carried	forw	vard	0	5	1	17	1	8

# NORTHUMBERLAND AND DURHAM.

# No. 918.—FORD.—CONTINUED.

Danah	Com		Fs.	Ft.	In. 1	F8. 1	Fb. 1	In.	Duomah	· Commo	-2	Fs.	Ft.	In 1	15	1	In.
Brough			0	5	6	L	1	0	Brough			0	0	0 2	10	3	09
COAL	***	***	0	Ö	9				COAL	***	***	o	0	-	3	F	3
CONL	***	***	-	0	0	1	0	4	OOAL	***	***	0	0	-)	1	1	11
Metal			0	1	6		0	2	Mawkre			0	0	2	41	-	
	***	***	0	2	0				Metal	****		0	3	3	1	1	
Freestone	***	***		ő	3			- 1	Freestone	***	***	0				13	-
COAL	***	1.01	0	U	0	0	3	9	Metal	144	***		0	14		Y	V
0.11			0		9	0	0	9		***		0	1	21			
Tills	***	144	0	4					Freestone	***	***	0	0	2			
COAL	466	***	0	0	9		-	0	COAL	***	10.00	0	0	7	_		
			-		_	0	5	6	-			_	_	_	0	5	
Dent	40.5	-44	0	1	6				Dent		-	0	0	9			
COAL		***	0	2	1	-	-	-	COAL	***	***	0	0	5	-	-	
			-	-		0	3	7	44.1.4			-	_		0	1	2
Tills	242		0	3	0				Mawkre		***	0	0	1			
COAL			0	0	4			5	COAL			0	0	3			
			-	_	-	0	3	4				-	-	-	0	0	4
Metal			0	0	1				Tills		***	0	1	11			
Limestone		***	0	1	4				Limestone	***		0	0	3			
Fills		***	0	1	5				Tills			0	0	74			
Freestone		***	0	0	9			-	COAL			0	0	1			
Fills -	4.8.9	***	0	0	7								_	_	0	21	0
Limestone		***	0	0	4				Chalk stone			0	0	1	-	-	-
Tills			0	0	4				COAL	***		0	0	2			
Dent			0	o	3				OOAL	***	***	-		-	0	0	5
Fills	***	***	0	0	9				Metal			0	2	0	0		
COAL	***	***	0	o	4					***	***	2	ĩ	0			
COME	***	***	U	v	-76	1	0	2	Freestone	***	***						
W-4-1			0	2	3	1	0	2	Metal	844	+6+	0	0	1			
Metal	***	***	0	_					Freestone	***	+**	0	2	0			
COAL	***	***	0	0	3			0	COAL		***	0	0	3	-	-	-
			-	-	_	0	2	6				_	_	-	2	5	4
Metal	***	***	0	1	0				Metal	424		0	3	6			
COAL		200	1	1	0		-		Tills			0	3	4			
			-	_	_	1	2	0	COAL	100		0	0	9			
Chalk stone		***	0	0	1				-	***		-	-				
COAL	600	***	0	1	3	-	-					_	_	_	1	1	1
			-		-	0	1	4	Freestone			0	2	0			
Metal		***	0	0	7				COAL	***		0	0	6			
COAL			0	1	0							7		-			٠,
			-	_	-	0	1	7	The same					_	0	2	K
Chalk stone	***	***	0	0	1				Metal		227	0	0	3			
COAL	***	***	0	0	8				Freestone	100		1	1	0			
-	125	-	-	- 2	_	0	0	91	COAL		441	Ô	ō	3			
Metal			0	1	6		150		JONE		441	-	-	-			
COAL	***	444	0	ô					Control of the Contro			-		-	1	1	K
	***	***	-	1	-	1	25		Tills			1	3	6			
			-		-	0	2	0	Metal	***		0	2	3			
Dent	***	444	0	0	3				Limestone		***	0	0	7			
COAL			0	0					Tills	3.55	700	-0	3	6			
	***		-	-	-	-	-	1	Metal	***	***	0	4	6			
			-		-	0	0	9	The second second	217		2	3	0			
Tills			. 0	3	0				Freestone	144	***	0	0	10			
COAL	***		6							144	+++	-	1	-			
-	-	***	-		-	-	14	i	Limestone	205	***	0		0			
			-		-	0	3	9	COAL	***	***	0	1	0			
Limestone			0	3	10				Mawkre	***	***	0	0	11/2		=	
Tills			o						COAL	***	***	0	1	0		4	
Freestone	***	***	0	0					1			-	-	_	6	3	3
Freestone		***	0	1	7												
T T COSTOLIC	***	***	-	-		-									-		
										Total						5	

<sup>·</sup> Approximate sea level about 97 feet below this.

### No. 919.-FORD.

### TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. About Lat. 55° 37' 40", Long. 2° 3' 15".

No. 1 Hole, bored at Ford, on the North-west side of the Brown (or Broom) Ridge Hill.

Approximate surface level about 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs. Ft. In.	1				Fa. Ft.	In.
Soil and sand, with a					Brought forward	7	0	0		
siping of water	0	3	6		A soft white sandy					
Brown and blue stony					parting	0	0	7		
clay	0	3	0		Strong red sandy post,					
Clay White clay Grey sandy ramble	0	3	0		with grey scames	0	4	6		
Grev sandy ramble	0	2	6		In brown and gray					
Grey metally stone, with brown scamy					sandy post	2	1			
partings Brown and red sandy		0	0					-	10 0	7
stone, with grey sandy partings	3	0	0							
Carried forward	7	0	0		Total				10 0	7

# No. 920.-FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. , Long.

No. 2 Hole, 110 yards from the first, and outset 7 fathoms of level.

Approximate surface level feet above sea (Ordnance datum).

Soil and sand In brown and grey sandy post	***		Fs. Ft. In. 1 0 0 1 3 0		Ft.		
Total	404	+++		2	3	0	

### No. 921.-FORD.

#### TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat.

, Long.

# No. 3 Hole, 50 yards from the second, and about 2 fathoms level outset.

Approximate surface level feet above sea (Ordnance datum).

				Fs. F	rt, ]	In.		Fs.	Ft.	In.	Fa.	Ft.	In.
Soil and sand	0	5	0				Brought forward	4	3	9			
Brown clay	0	3	0				Rotten blackish brown						
Brown clay Sand, with water	0	3	0				and grey open post,						
Brown sandy stone	0	0	9			-3	and set away the						
Brown, red, and grey	-		7				water at the top	2	0	0			
sandy stone, with							Blue and grey metal,	100					
water		5	0			0	with mixture whin						
Blue and grey metally	-	-	-				girdle or lumps	1	1	6			
stone	0	3	a				Red post						
Black metal	0	o.	6				Brown and red post	0	0	0			
linck metal	0	0	U				Ded neet	1	0	0			
line, grey, and brown metally stone, with							Red post Soft brown post (set	1	2	0			
a coal pipe, or scared							away the water)	0	3	0			
with coal at bottom	1	0	0				In soft red and brown						
Grey post	0	1	6				scamy post	1	3	0			
								_		_	12	0	8
Carried forward	4	3	9				Total				12	0	-

### No. 922.-FORD.

# TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat.

, Long.

No. 4 Hole, 130 yards to the South-west from the third, and about 3 fathoms level outset.

Approximate surface level feet above sea (Ordnance datum).

Soil and gravel Red stony clay Grey sandy stone Blackish brown stone Red post	0 0 0	2 3 2 6 0 9 1 0	Brought forward Dun metally stone In brown and red scamy post	0	5	6		0 1	
Carried forward	-	_	Total			-	2	0 1	0

### No. 923 .- FORD.

# TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat.

, Long.

No. 5 Hole, bored at Ford Colliery, about 40 yards East from the fourth, July 7th, 1739.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown clay Soft greenish grey metal, with brown			In. Fs. Ft. In.	Brought forward Grey and dun post girdles, mixed with	Fs.	Ft. 4	In.	Fa.	Pt. I
and black scames				whin	0	4	0		
in it, and a small				Red post	0	5	0		
	2	0	0	Strong red post, with					
siping of water Black metal	0	2	0	mixture whin gir-					
Brown and grey scamy				dles, with soft sandy					
metal	0	1	0	partings	2	0	0		
metal Strong red post Red and grey post	0	3	0	In open red and grey					
Red and grey post	2	0	0	post, with water	1	4	6		
				***************************************	-	-	-	10	5
Carried forward	5	4	0	Total .		-		10	5

# No. 924.—FOREST BURN.

TOWNSHIP OF LEE WARD, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. 55° 16' 26", Long. 1° 52' 6".

Account of the Strata at Foxton Hill Pit, Forest Burn Colliery, Parish of Rothbury.

Approximate surface level 465 feet above sea (Ordnance datum).

Clay			Fs. 1		In.	Fs.	Ft.	In.	Brough	t form	hear				Fs. 23	Ft.	In.
**			14						Metal			0		0	20	-	0
25 1 1			4						COAL								
Limestone (E			-	-								_	_		23	2	6
me s			4	0	0				Seggar clay			1	3			~	
			0	1					Limestone			ō					
COAL	***	***	0	0	8				Seggar clay			1					
- One	***		_	-		23	1	8	Impure			-	-	-			
Metal			0	1			-		(" red stor		-	0	2	0			
		***	14	o	0				Metal					0			
Metal, with	balle	OF.	TT	0					COAL-S			-	0				
ironstone										***		0	9	6			
	ronsto								Deane	***	***	0	-	0	6	5	c
			c	.0	0				Freestone			7	1	0	0	0	0
Shale)			0	0	U								1	0			
Limestone (&			0	0	^				Metal, with			0	0	0			
Stone)	**	***	3	U	U				ironstone	***	***	2	0	0			-
															3	1	U
Carried f	orward	1	23	1	0	23	1	8		Total					56	4	8
Carrieu	OI WAL			•	-		-			* O'CHI	***			=	00	-	-

<sup>\*</sup> Approximate sea level 1141 feet below this.

### No. 925 .- FOULBRIDGE.

TOWNSHIP OF LEE WARD, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat.

, Long.

Boring near Foulbridge House Lands, in Mr. Dawson's Grounds, and opposite where Foulbridge is now, and in the Plantation. July 5th, 1728.

Approximate surface level feet above sea (Ordnance datum).

Sand and gravel, with		Ft.	In.	Fs.	Ft.	In.	Brought forward					Ft.	
metal and water		0	0				White post, with black	2.17	•		1		
Grey metal							and grey scames and						
Grey post girdle							water	4	0	0			
Grey metal	2	5	0				White post girdles	0	4	0			
COAL, with water	0		0				Grey stone	0	î	6			
	_	_	_	7	4	9	Whin girdles, with black scames and						
Grey metal	0	2	0				water	1	1	0			
Grey and white post	1	0	0				White post, with black	-	*	0			
Grey metal, with post			~				scames	0	n	0			
girdles		0	0				Commetal with mater	2	0	0			
Whin							Grey metal, with water	2	9	0			
Grey metal and post			0				Grey metal, with post	-					
girdles		a	0				girdles and water						
		U	U				COAL	0	0	9	22	-	
Grey and black stone,							Children of the Control of the Contr	-	_	-	30	1	3
mixed with coal and			~				Black and grey stone,						
water	4	3	0				with water	2	0	0			
Grey metal	1	0	0				COAL	0	2	0			
White post and water	0	3	0				The state of the s	_	-	-	2	2	0
White post, mixed							Slate	0	0	2			
with whin		1	0				COAL, with water			8			
White post, with water	6	0	0				Grey thill			0			
-								_	-	-	0	3	10
Carried forward	15	4	0	7	4	9	Total				40	5	10

# No. 926 .- FOURSTONES.

TOWNSHIP OF FOURSTONES, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. 55° 0' 16", Long. 2° 10' 33".

Account of Strata sunk through in First Pit, Fourstones Colliery.

Outset soil and clay 1 0 0	Brought forward 14 2 11
Brown post 3 3 0	Blue stone 9 3 04
Rotten stone 0 1 9½	Limestone 2 2 10
Brown post 0 3 1½	Grey beds 0 1 2
Blue stone, with post girdles 0 4 10½	Scamy white post $\begin{cases} 3 & 2 & 0 \\ 6 & 2 & 2 \end{cases}$
Blue stone 5 0 0 Brown post 3 2 1½	COAL 0 3 10 37 0 0
Carried forward 14 2 11	Total <u>*37 0 0</u>

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 927.—FRAMWELLGATE.

#### TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

An Account of Boring at Framwellgate Head. Begun February 18th, 1815.

Approximate surface level feet above sea (Ordnance datum).

1 2 0 3 0 0 0	0 0 3 0 2 2 1	0 0 0 9 6				Brough Thill Grey post Grey metal		ard	0 0	0 6 1 10	15	3 11
0 0 0 0 1	3 0 2 2	0 0 9				Grey post Grey metal		***	0	1 10		
3 0 0 0	0 2 2	0 9				Grey metal						
0 0 0 1	2 2	9					121					
0 0 0 1	2 2	9								1 3		
0 0 1	2					Post	***	***	0	1 6		
0 0 1	2					Metal	***	***	0	1 0		
0		6				White post	***		0	1 2		
1	1			-	-	Soft metal	***	144	0	0 6		
1	1	-	7	2	3	Post	22.5	***	0	1 0		
		6				Hard post, v	vith w	ater	0	1 9		
	4	7				Post	1444	155	0	0 10		
0	0	8				Metal		100	1	3 7		
0	0	7				Post			0	2 2		
1	4	4				Metal			0	2 1		
0	5	6				Post			0	0 7		
0	5	1				Metal	***		0	4 8		
0	1	3				Hard post			0	0 10		
1	0	10				Post			0	0 10		
0	0	9				Metal			0	0 2		
0	1	0				Post			0	0 7		
		_	7	2	1	Metal, with	post		0	0 11		
0	3	6				COAL			0	3 9		
0	0	2				-	444			-		
0	0	3										
0	1	2										
0	0	6										
-	-	_	0	5	7				-	_	6	1 7
-	1		15	3	11		Total				21	5 6
1	-	ard		0	0 5	0 5 7	0 5 7	0 5 7	0 5 7	0 5 7	0 5 7	0 5 7 — 6

# No. 928.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

Strata bored through in Framwellgate Moor Royalty, about 500 yards West of the Newcastle Road. Begun July 10th, 1837.

Brown clay and sand 1 3 0		Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 4 2 2
Brown freestone 2 3 0 COAL, with water at the bottom 0 2 2				Grey metal 0 2 3 Grey metal stone 2 1 1 Brown post 0 3 4
at the bottom 0 2 2		2	2	
Carried forward	4	2	2	Carried forward 3 3 9 4 2 2

# No. 928.—FRAMWELLGATE.—CONTINUED.

Brought forward					Ft.		Brought forward	Fs.	Pt.		Fs. 30		In.
Black stone, with	0	1	11				Grey metal, with post girdles and water	1	4	0			
Grey metal, with post girdles and water							Blue metal, with coal						
Brown and white post,							pipes				2	3	1
with metal partings White post	6	2	6 8				Grey metal, with post girdles	2	0	1			
Grey metal stone, with							White post, with						
water White post			2 3				water Grey metal						
COAL				25	0	2	COAL	0	2	4	7	0	1
Grey metal				ພ	U	2	Grey metal, with post			_	•	U	•
COAL	0	0	_3 	0	5	4	girdles and water		4				
				·	Ĭ	-		_	_	_	6	2	9
Carried for	war	d		30	1	8	Total		<b>.</b>		46	1	7

# No. 929.—FRAMWELLGATE.

Sheet 20 of Ordnance Map. Lat. about 54° 47′ 59", Long. 1° 34′ 49".

#### TOWNSHIP OF FRAMWELLGATE, DURHAM.

An Account of Strata sunk through in the Framwellgate Moor Old Pit.

Begun January 5th, 1838.

Soil				Fs. F	t. In.	Brought forward			In.	Fs.	Ft.	In.
Sandy brown clay						Loamy sand. with water						
Sand, with water, very						Strong black clay, ra-						
quick Blue loamy clay, mixed	4	U	U			ther soily Marly freestone, with	4	z	U			
with sand in some						water (46.50 gallons						
parts	2	2	0			per hour)	0	4	0			
Sand, light coloured						Soft grey metal Soft black metal	0	2	0			
and mixed with coal of different descrip-						Soft black metal COAL — Low Main	0	0	3			
tions	3	3	6			Seam	0	2	7			
Sand, with water, very quick	9	Λ	٥							25	1	10
Loamy clay, with sandy						Black metal, with						
partings	0	2	6			scares of coal and	_	_	_			
Loamy sand, with wa-						water	Û	2	6			
ter, very quick	0	5	0			Soft grey metal Grey metal, with white		3	4			
Brown leafy clay, with sandy partings and						post girdles		3	0			
water	2	3	0									
Carried forward	18	4	0			Carried forward	1	2	10	25	1	10

### No. 930.—FRAMWELLGATE.—CONTINUED.

Brought forward				Fs. 62			Brought forw	ard	Fs. 7	Ft.	In.	Fs. 79		In. 44
Busty Bank Seam-						-	Grey metal	***	3	1	6	-		-
Ft. In							Grey post	100	0	3	0			
COAL 2 2							Grey metal stone		0	2	9			
Band 0 2							Dark metal		0	0	9			
COAL 0 5							COAL, slaty		0	ĭ	A			
Band 0 3							OOAL, suity		.0		-	11	3	6
							Gray matal stans		-	0	0	TI	0	0
COAL 2 10	0	5	10				Grey metal stone		5 2	0	0			
-	0	Ð	10	10	-	6	White post	***		0				
D- 1 (T.1 00)				15	5	8	Black parting	255	0	0	8			
Bored (July 8th,							Grey post		0	2	6			
1845):-			-				Grey metal stone	***	2	1	2			
Grey metal	0	1	1				Grey post		1	5	0			
COAL, foul	0	1	6				Grey metal stone	***	2	3	0			
100	-	-	-	0	2	7	Grey post		12	3	0			
Grey post	0	2	0				Dark metal		0	0	2			
COAL, foul	0	0	8				COAL		0	1	4			
and the same of th	_	_	_	0	2	8	140		_	_	_	26	41	10
Grey metal stone	6	1	10				Black stone		0	0	2			
Black stone	0	3	2				Grey metal		1	1	8			
Grey metal	0	0	4				Grey post		0	4	0			
Grey post	0		10				cred bose		_	-	_	1	51	10
Carried forward	7	0	2	79	2	44	Total				1	19	4	EL

# No. 931.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 19 of Ordnance Map. About Lat. 54° 47' 21", Long. 1° 35' 51".

Account of Strata bored through in Framwellgate Moor Royalty, on the South Side of the Road leading from Durham to Witton Gilbert, near to the West part of Boundary. Bored by William Coulson. Begun to bore, May 22nd, 1839.

	We.	Tre.	In	Fs. Ft. In.		Fe	Fe.	In	Fa	174	Ser.
Soil	0	1		A. D. A. U. A.L.	Brought forward						2
Brown clay	-	1			Brown whin, with		-		-	-	В
Brown metal	-	3			water	n	9	9			
White post, with metal	_	0	0		Grey metal, with water						
		5	0		Grey post	0	Ã	6			
partings	0	1	0		White post	0	9	0			
Black metal	U	1	0		White post		2	0			
COAL, foul, with		4			Grey post						
water	0	0	6		COAL	0	2	10			
	-			5 0 2		_		_	24	0	11
		0	8		0 11	-	-		-	-	-
Grey post, with metal					Grey metal		2	U			
partings	0	3	0		Grey metal, with post			¥.			
Grey metal	0	5	6		girdles		3				
Brown post	1	1	5		White post, with water	0	2	0			
Brown post Grey metal	1	3	0		Grey metal, with post						
Grey post, with metal	9				girdles	1	0	4			
partings		0	0		COAL	0	2	5			
Grey metal, with water			6						5	2	. 9
Grey metal, with water		0	-								-
Carried forward	10	1	1	5 0 2	Carried forward				34	4	10

# No. 931.—FRAMWELLGATE.—CONTINUED.

	_				_			_	-	-		-	-
Descript Command	F8.	Ft.	In.				Demokt forward				Fac		
Brought forward	1	0		04	4	10	Brought forward	7	9	10	57	34	0
Grey post	1	0	8				Grey metal, with post	-		2	36 5	2	1
White post	0	2	0.				girdles	2	3	0	11	7	
COAL, foul	0	1	0				COAL, foul	0	0		14.	1	
Grey post	0	1	0					_	=	-	10	3	4
White post	1	1	6				Grey metal, with post	-	-	20		1	
Grey metal	. 1	1	6				girdles	0		2		- 1	1
White post, with water	0	5	0				Strong white post	0	2	3			200
Grey post, with metal		12	-				Grey metal	1		10			
partings	1	2	2				COAL, foul	0	2	0			
COAL	0	1	6					-	-	-	2	2	3
	-	_	_	6	4	4	Grey metal, with post						
Grey metal	2	2	0				girdles	2	2	0			
Grey metal, with scares							Grey post	0	2	0			
of coal	2	1	2				Whin girdles	0	0	5			
Black metal	0	1	4				Strong white post	1	3	0			
Grey metal	0	1	0				COAL	0	0	3			
Grey post, with metal	_	-	-				Grey metal stone	-	5	0			
partings	0	4	3				COAL	0	2	2			
Grey metal, with scares	-	-	-				100 111	_			7	9	10
of coal	1	1	6				Grey metal	0	2	9		~	
Grey metal	2	5	2				Strong white post	0	3	6			
Grey metal, with post	-		-				Grey post, with metal	-		0			
	3	5	0				partings and water	1	4	6			
COAL	0	1	-				COAL, mixed with		*	0			
COAL	0	1		13	5	1	metal at the bottom	0	1	2			
Ctuone white most	1	1	-	10	a		Grey metal and metal	0		-			
Strong white post	1	1	9					0	4	9			
Grey metal	0	2	6				stone	0	4	9			
COAL	0	1	0	-	-	0	Strong white post,						
0 11 111	-		70	1	5	3	mixed with whin	-					
Grey metal, with post	/	4		_			metal and water	5	4	3			
	10	1	6				Supposed Beaumont						
Black metal	0	1	0				Seam - Ft. In.						
Grey metal, with post							COAL 2 4	1					
girdles	1	1	3				Band 0 3						
Dark grey metal, with							COAL 2 10	1	-	-			
scares of coal		5	0						5	(6)	l.		
Grey post	1	2	3				Into grey mild	0	0	6			30
Strong grey post	. 0	2	0					-		-	10	21	0F
00000	-		-	-		_	-				-	-	-
Carried forward	7	5	6	57	1	6	Total				88	0	94
- Inches and American	-	19		1000	-		1			-			-

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 932.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48' 1", Long, 1° 35' 47".

Account of Strata sunk through in the Cator House or Dryburn Grange Pit, Framwellgate Colliery.

Soil Sandy clay Clay			0	0	6	Brough Blue clay Sand		***	2 2	0 3	6	Ft. In.
Carried	l forwar	rd	2	0	0	Carried	forw	ard	5	1	6	

# No. 930 .- FRAMWELLGATE .- CONTINUED.

Brought forward 14 5 10 62 3 54	Brought forward 7 0 2 79 2 44
Burty Bank Seam-	Brought forward 7 0 2 79 2 41 Grey metal 3 1 6
Ft. la.	Grey post 0 3 0
COAL 2 2	Grey metal stone 0 2 9
Bend 0 2	Dark metal 0 0 9
COAL 0 5	COAL, slaty 0 1 4
Band _ 0 3	
COAL _ 3 10	Grey metal stone 5 0 0
- 0 5 10	White post 2 0 0
Beard Class 15 5 8	Black parting 0 0 8
Bored (July 5th,	Grey post 0 2 6
1845);— Grey metal 0 1 1	Grey metal stone 2 1 2
COMP	Grey post 1 5 0
OAL, foul _ 0 1 6 _ 0 2 7	Grey metal stone 2 3 0
Communication of the contraction	Grey post 12 3 0 Dark metal 0 0 2
COAL, fool 0 0 8	COAL
0 2 8	COAL 0 1 4
Grey metal stone 6 1 10	DL-L-r
Black stone 0 3 2	Grey metal 1 1 8
Grey metal 0 0 4	Grey post 0 4 0
Grey post 0 0 10	1 510
1	
Carried forward 7 0 2 79 2 44	Total 119 4 6

# No. 931.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELIGATE, DURHAM.

Sheet 19 of Ordnance Map. About Lat. 54° 47' 21", Long. 1° 35' 51".

Account of Strata bored through in Framwellgate Moor Royalty, on the South Side of the Road leading from Durham to Witton Gilbert, near to the West part of Boundary. Bored by William Coulson. Begun to bore, May 22nd, 1839.

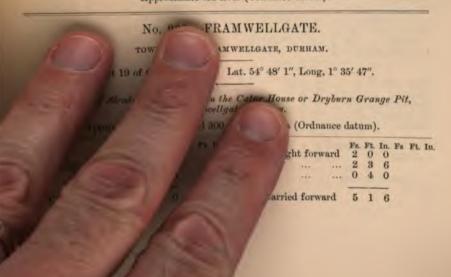
Soil 0 1 0	Brought forward 10 1 1 5 0 2
Brown clay 2 1 0	Brown whin, with
Brown metal 1 3	water 0 2 2
White post, with metal	Grey metal, with water 11 2 6
partings 0 5	Grey post 0 4 6
Black metal 0 1	White post 0 3 6
COAL, foul, with	Grey post 0 2 4
water 0 0	COAL 0 2 10
	06,000
Black stone 0 0	24 07
erey post, with metal	Grey metal 0 2
partings 0 3	Grey metal, with post
rey metal 0 5	girdles "
rown post 1 1	White post, with water
rey metal 1 3	Grey metal, with r
and annual training	rirdles
rey post, with metal	AL
partings 5 0	-AL
rey metal, with water 0 5	
Carried forward 10 1	

#### NORTHUMBERLAND AND DURHAM.

#### No. 931.—FRAMWELLGATE.—CONTINUED.

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Brought forward 34 4 10	Brought forward 7 5 6 57 1 6
Grey post 1 0 8	Grey metal, with post
White post 0 2 0	girdles 2 3 0
COAL, foul 0 1 0	COAL, foul 0 0 10
Grey post 0 1 0	10 8 4
Tree 2, 2	Grey metal, with post
20 70 70 70 70 70 70 70 70 70 70 70 70 70	7.11
The state of the s	
The state of the s	TOTAL TOTAL STATE OF THE STATE
Grey post, with metal	Grey metal 1 1 10
partings 1 2 2	COAL, foul 0 2 0
COAL 0 1 6	2 2 3
6 4 4	Grey metal, with post
Grey metal 2 2 0	girdles 2 2 0
Grey metal, with scares	Grey post 0 2 0
of coal 2 1 2	Whin girdles 0 0 5
Black metal 0 1 4	Strong white post 1 3 0
Grey metal 0 1 0	COAL 0 0 3
Grey post, with metal	Grey metal stone 2 5 0
partings 0 4 3	COAL 0 2 2
Grey metal, with scares	7 2 10
4 4 4	0 11 000
	Strong white post 0 3 6
The state of the s	The state of the s
Grey metal, with post	Grey post, with metal
girdles 3 5 0	partings and water 1 4 6
COAL 0 1 8	COAL, mixed with
——————————————————————————————————————	metal at the bottom 0 1 2
Strong white post 1 1 9	Grey metal and metal
Grey metal 0 2 6	stone 0 4 9
COAL 0 1 0	Strong white post,
1 5 3	mixed with whin
Grey metal, with post (2 4 6	metal and water 5 4 3
girdles 0 1 6	Supposed Beaumont
71 1 41 0 1 0	Seam— Ft. In.
The state of the s	COAL 2 44
Grey metal, with post	Band 0 3
girdles 1 1 3	COAL 2 10
Dark grey metal, with	- 0 5 54
scares of coal 1 5 0	V
Grey post 1 2 3	Into grey mild 0 0 6 10 2 104
Strong grey post 0 2 0	10 2 104
	Total 99 0 01
Carried forward 7 5 6 57 1 6	Total 88 0 9½

<sup>\*</sup> Approximate sea level (Ordnance datum).



### No. 932.—FRAMWELLGATE.—CONTINUED.

Brought forward	5	1	6	Fs.	Ft.	In.	Brought forward 6 2			1	
Gravel	0	2	0					0			
Sand	0	3	0				COAL 0 0	6			
Grey metal	5	5	6					_	8	0	6
Grey whin	0	0	5				Grey metal and post				
Grey metal and post							girdles 2 1	6			
girdles	0	1	8				COAL 0 0	6			
Post girdles	0	1	2				-	-	2	2	0
Blue metal	0	1	8				Grey metal and post 7 4	0			
Post girdles	0	0	6				COAL 0 0	3	-		-
Blue metal	1	5	7				*****		7	4	3
Brown post	0	4	0				Metal stone 1 0	0			
Blue metal and post		-	-				Grey post 0 3	0			
girdles	0	4	0				COAL-HarveySeam 0 2	0		-	
Blue metal	2	2	8				0 11 00	_	1	5	0
Strong metal and post	6	0	0				Grey metal 2 0	0			
COAL	0	0	2				Grey post 2 0	0			
	_	-	-	24	3	10	White post 1 5	0			
Strong white post	2	2		197			COAL 0 1	2			-
Black stone	õ	ō	6					_	6	0	2
COAL - Low Main			0				Grey metal 1 4	0			
O	0	2	2				Grey post 5 0	0			
Seam	U	-	-	2	5	6		0			
Clay	0	2	4	-	9	U	Grey and white post 1 2	10			
	0	2	0				Busty Seam- Ft. In.				
Black sooty clay	U	2	U				COAL, good 1 10				
Grey metal and post		2	6				Band 0 7½				
girdles	5	0					COAL, good 2 0				
Post girdles	1		0				- 0 4	51			36
Blue metal	0	4	0				-	- 1	12	5	3
Black stone	0	2	0						_		
								-			
0	0		-				Total	8	85	01	11
Seam	0	2	7	0				8	85	01	11
Seam	-		-	8	3	5	Bored from the Busty	8	85	01	11
Seam	1	0	10	8	3	5	Bored from the Busty to the Brockwell	8	85	01	11
Seam	-		-				Bored from the Busty to the Brockwell Seam:—		85	01	11
Seam Black stone COAL	1 0	0	10 8	8	3	5	Bored from the Busty to the Brockwell Seam:— Seggar stone 0 2	0	85	01	11
Black stone COAL	1	0	10				Bored from the Busty to the Brockwell Seam: Seggar stone 0 2 Grey post 0 3	0 0	85	01	11
Seam Black stone COAL Thill stone Grey metal and post	0 0	0 0	10 8				Bored from the Busty to the Brockwell Seam:— Seggar stone 0 2 Grey post 0 3 Grey metal 0 1	0 0 6	85	01	1
Seam  Black stone  COAL  Chill stone  Grey metal and post girdles	1 0 0 2	0 0 4 2	10 8 6				Bored from the Busty to the Brockwell Seam:— Seggar stone 0 2 Grey post 0 3	0 0			
Black stone  COAL  Grey metal and post girdles  Brown whin	0 2 0	0 0 4 2 2	10 8 6 1 0				Bored from the Busty to the Brockwell   Seam: —   Seggar stone 0 2   Grey post 0 3   Grey metal 0 1   COAL 0 0	0 0 6 8	85	01	
Black stone  COAL  Chill stone  Frey metal and post girdles  Brown whin  Grey metal	0 2 0 0	0 0 4 2 2 5	10 8 6 1 0 0				Bored from the Busty to the Brockwell   Seam: —   Seggar stone 0 2   Grey post 0 3   Grey metal 0 1   COAL 0 0   Grey metal 1 3	0 0 6 8 0			
Black stone  COAL  Thill stone  Grey metal and post girdles  Brown whin  Grey metal  Brown post	0 2 0	0 0 4 2 2	10 8 6 1 0 0				Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6			
Black stone  COAL  Thill stone  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Grey metal and iron-	0 2 0 0 0	0 0 4 2 2 5 2	10 8 6 1 0 0				Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4			
Black stone  Black stone  COAL  Chill stone  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Frey metal and ironstone girdles	0 2 0 0 0	0 0 4 2 2 5	10 8 6 1 0 0				Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6	1		
Black stone  COAL  Chill stone  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Grey metal and ironstone girdles  Hutton Seam— Ft. In.	0 2 0 0 0	0 0 4 2 2 5 2	10 8 6 1 0 0				Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4			2
Black stone  Fhill stone  Frey metal and post girdles  Brown whin  Grey metal  Brown post  Frey metal and iron- stone girdles  Hutton Seam— Ft. In.  COAL 3 2	0 2 0 0 0	0 0 4 2 2 5 2	10 8 6 1 0 0				Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4	1	1	9
Black stone  COAL  Thill stone  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Grey metal and ironstone girdles  Hutton Seam— Ft. In.	0 2 0 0 0 0	0 0 4 2 2 5 2 5	10 8 6 1 0 0 10 8				Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4	1	1	9
Black stone  Fhill stone  Frey metal and post girdles  Brown whin  Grey metal  Brown post  Frey metal and iron- stone girdles  Hutton Seam— Ft. In.  COAL 3 2	0 2 0 0 0 0	0 0 4 2 2 5 2	10 8 6 1 0 0 10 8	1	1	6	Bored from the Busty           to the Brockwell           Seam:—         0         2           Grey post         0         3           Grey metal         0         1           COAL         0         0           Grey metal         1         3           Whin stone         0         1           Grey metal         4         1           COAL, splint         0         1	0 0 6 8 0 6 4 8	1	1	2
Black stone  COAL  Thill stone  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Grey metal and ironstone girdles  Hutton Seam— Ft. In.  COAL 3 2  COAL, coarse 0 4	1 0 0 2 0 0 0 0	0 0 4 2 2 5 2 5	10 8 6 1 0 0 10 8		1		Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4 8	1	1	2
Black stone  COAL  Thill stone  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Grey metal and ironstone girdles  Hutton Seam— Ft. In.  COAL 3 2  COAL, coarse 0 4	1 0 0 2 0 0 0 0	0 0 4 2 2 5 2 5 3 0	10 8 6 1 0 0 10 8	1	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone   0 2   Grey post     0 1   COAL     0 0   Grey metal     1 3   Whin stone     0 1   Grey metal     4 1   COAL, splint     0 1   Soft seggar (gas and water)     0 2   Grey metal and post girdles     3 0	0 0 6 8 0 6 4 8	1	1	2
Seam Black stone COAL  Thill stone Grey metal and post girdles Brown whin Grey metal Brown post Grey metal and ironstone girdles Hutton Seam— Ft. In. COAL 3 2 COAL, coarse 0 4	1 0 0 2 0 0 0 0 0	0 0 4 2 2 5 2 5	10 8 6 1 0 0 10 8 6 11 0	1	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone   0 2   Grey post     0 1   COAL     0 0   Grey metal     1 3   Whin stone   0 1   Grey metal     4 1   COAL, splint     0 1   Soft seggar (gas and water)     0 2   Grey metal and post girdles     3 0   Coal       3 0   Coal       3 0   Coal	0 0 6 8 0 6 4 8 0	1	1	2
Black stone  COAL  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Grey metal and ironstone girdles  Hutton Seam— Ft. In.  COAL 3 2  COAL, coarse 0 4  Black stone  Seggar  Grey metal	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 4 2 2 5 2 5 3 0 4 8	10 8 6 1 0 0 10 8 6 11 0 0	1	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone   0 2   Grey post     0 1   COAL     0 0   Grey metal     1 3   Whin stone     0 1   Grey metal     4 1   COAL, splint     0 1   Soft seggar (gas and water)     0 2   Grey metal and post girdles     3 0	0 0 6 8 0 6 4 8 0	1 6	1	2
Black stone  COAL  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Grey metal and ironstone girdles  Hutton Seam— Ft. In.  COAL 3 2  COAL, coarse 0 4  Black stone  Seggar  Grey metal	1 0 0 2 0 0 0 0 0	0 0 4 2 2 5 2 5 2 5 0 4 8 1	10 8 6 1 0 0 10 8 6 11 0 0 0 0 0	1	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4 8 0 2	1 6	1	2
Seam	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 4 2 2 5 2 5 3 0 4 8	10 8 6 1 0 0 10 8 6 11 0 0	6	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4 8 6 0 2 8	1 6	1	9
Black stone	1 0 0 2 0 0 0 0 0	0 0 4 2 2 5 2 5 2 5 0 4 8 1	10 8 6 1 0 0 10 8 6 11 0 0 0 0 0 0 0 0 0 0 0	1	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4 8 6 0 2 8 2	1 6	1	2
Black stone  COAL  Thill stone  Grey metal and post girdles  Brown whin  Grey metal  Brown post  Grey metal and ironstone girdles  Hutton Seam— Ft. In.  COAL 3 2  COAL, coarse 0 4  Black stone  Seggar  Grey metal  Black stone  Black stone	1 0 0 2 0 0 0 0 0	0 0 4 2 2 5 2 5 2 5 0 4 8 1	10 8 6 1 0 0 10 8 6 11 0 0 0 0 0	6	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4 8 6 0 2 8 2 0	1 6	1	2
Seam Black stone COAL Grey metal and post girdles Brown whin Grey metal Grey metal and ironstone girdles Hutton Seam — Ft. In. COAL 3 2 COAL, coarse 0 4  Black stone Grey metal Black stone Black stone Grey metal Black stone GOAL	1 0 0 2 0 0 0 0 0 0 0	0 0 4 2 2 5 2 5 3 0 4 8 1 2	10 8 6 1 0 0 10 8 6 11 0 0 0 0 0 0 0 0 0 0 0	6	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4 8 6 0 2 8 2 0	1 6	1	-
Black stone  Grey metal and post girdles  Brown whin  Grey metal and ironstone girdles  Hutton Seam— Pt. In.  COAL 3 2  COAL, coarse 0 4  Black stone  Grey metal  Black stone  Grey metal  Grey metal of ironstone girdles  Hutton Seam— Ft. In.  COAL 3 2  COAL  Grey metal  Grey metal  Grey metal  Grey metal and post	1 0 0 2 0 0 0 0 0 0 0	0 0 4 2 2 5 2 5 3 0 4 8 1 2 4	10 8 6 1 0 0 10 8 6 11 0 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0	6	1	6	Bored from the Busty to the Brockwell   Seam: —   Seggar stone	0 0 6 8 0 6 4 8 0 6 0 2 8 2 0 6	1 6	1	2

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 932.—FRAMWELLGATE.—CONTINUED.

D 11.0	Fs.	Ft.			Ft.		Fs. Ft. In. Fs. Ft. In.
Brought forward	5				0	31	Brought forward 15 1 6 96 0 31
White post	0	1	0				Black stone 0 0 6
Grey metal and post							Seggar stone 0 1 6
girdles	1	0	4				Blue metal 1 0 0
Grey metal			8				Post stone 1 4 6
White post	0	3.	0				Grey metal 0 4 0
Black stone		0	8				Whin stone 0 2 0
Grey metal and post							Grey metal 1 0 0
girdles	0	1	3				Post stone 0 0 9
Grey metal	1	0	0				Grey metal and post
Whin stone, mixed							girdles 1 0 0
with post	0	2	0				Blue metal 0 2 9
Black stone	0	0	10				Black stone 0 0 9
Seggar stone	0	2	5				COAL 0 0 6
Post	0	3	0				Seggar stone 0 2 0
Grey metal	1	4	0				White post stone 2 2 11
Post stone	0	4	0				24 5 8
Grey post	2	0	0				THE PERSON NAMED IN
Carried forward	15	1	6	96	0	31/2	Total 120 5 11½

#### No. 933.—FRANKLAND.

#### TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 48' 0", Long. 1° 32' 35".

Account of Strata sunk and bored through in Frankland Park Pit, belonging to the Earl of Durham. 1840.

Ontset			In. 6	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 19		In.
Brown sandy soil		1					Bored :-				20	-	-
and, with a little	100	-	-				Black stone	0	4	8			
water	0	4	3				COAL	0	1	9			
Fine loamy clay	4	3	4					-		_	1	0	5
strong stony clay	2	1	6				Thill stone	0	1	6			
Brown freestone ramble		3	2				Brown stone	0	2	4			
Pudding stone (resem-							Blue stone	0	1	6			
bling gravel)	0	0	10						0				
								_	_	_	0	5	11
Brey metal, jointy	1	4	5				Grey thill stone	0	1	7			
COAL (leader of a							Blue stone	0	5	7			
dyke downcast to							Grey metal stone	1	1	1			
the North)	0	0	3				Post stone (set away	11	3	0			
	-		_	14	1	0	the water)	10	3	1			- 3
Soft thill stone	0	4	0				Blue stone						
Grey metal stone	1	1	3				COAL-Hutton Seam			6			
Brown freestone (foun-									_		7	3	-
dation)	3	0	2									-	
	-	-	-	4	5	5							
Carried for	13200 300	4		19	0	5	Total		***		98	4	

#### No. 934.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

Long.

An Account of Strata sunk through in the Frankland Pit.

Approximate surface level feet above sea (Ordnance datum).

				F8.	Ft.	In.	D				Fs.		
Brown sandy soil	0	1	3				Brought forward		1	7	20	Z	3
Sand, with a little	-	-					Blue stone		5	7			
water	0	4	3				Grey metal		1	1			
Loamy clay	4	3 1	4				Strong post stone	2	0	10			
Strong stony clay	2	1	6				Blue stone	1	2	8			
Brown freestone ramble		3	2				Post girdle	0	0	4			
Pudding stone (resem-							Blue stone	0	0	5			
bling gravel)	0	0	10				Post girdle	- 24	0	3			
Light blue stone	1	1					Blue stone	-	0	4			
Grey metal, jointy	1	4	6 5				Grey post girdle	-	0	5			
COAL	0	0	3				Blue stone	- 6	3	2			
	-	0	_	13	2	6	Hutton Seam- Ft. I	_		-			
Soft thill stone	0	4	0	10	-								
								-					
Grey metal stone	1	1	3 2				COAL, bot-						
Brown freestone	3	0	Z				tom 0 1		-				
Blue stone	0	4	8				_	. 0	4	10	-	-	
COAL	0	1	9	-	-		and the same of th	_			7	3	6
	-		-	5	5	10	Thill stone			6			
Thill stone	0	1	6				Post	. 1	4	6			
Brown cashy stone	0	2	4				Dark blue stone			4			
Blue stone	0	1	6				and the same of th	-	_	_	2	5	4
COAL	0	0	7				COAL	. 0	0	1			
Section 1911	_	-	_	0	5	11	Thill stone	-	2	0			
Grey thill stone	0	1	7	100			200000000000000000000000000000000000000	-	-	_	0	2	1
Carried forward	0	1	7	20	2	3	Total				31	1	2

#### No. 935.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

Account of Strata in No. 1 Borehole in the Frankland Estate. July 11th, 1842.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Soil and loamy clay   2   4   6	Brought forward  Fs. Ft. In. Fs. Ft. In.  COAL, good 3 6  Metal band 0 2  COAL, coarse brassy 0 11
with girdles 2 3 6 9 0	- 0 4 7
Carried forward 9 0	6 Total 9 5 1
Descent from Frankland Pit to Do. more to River Wear	East Borehole 19 0 4 2 3 11

#### No. 936.—FRANKLAND.

#### TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

Long.

### No. 2 Borehole, West of No. 1, in the Frankland Estate. July 12th, 1842.

Approximate surface level feet above sea (Ordnance datum).

Loamy sand		Fa. 0	Ft. 2 0		Fa.	Ft.	In.	Brought for		Fs.	Ft.	In.	Fs. 7	Ft. 1	In
	•••	_	_	_	0	2	6	COAL	Ft. In. 4 0						
Grey metal ston	е	1	0	0	·	_	·	Metal band	0 3						
Grey post		1	3	0				COAL, coarse							
Metal stone, wit	h post								1 4						
girdles		1	4	6				1		0	5	7			
Dark metal		2	3	5								_	0	5	7
					6	4	11	Into grey metal	•••				0	2	(
Carr	ied for	war	d		7	1	5	Tota	1				8	3	_0
ъ.		. •									. F				
Descent							• • •		•••	. 18	_	0 1			
Do.	more 1	10 I	live	r V	V ea.	Г	•••		• • •		2	3	0		
Depth of	Brass	ide	Pit.	, fr	om	surf	ace	o bottom of Hutto	n Seam	34	4 (	0	0		
	Fran	klar	ıd I	it,				do. do.		. 2	7	5	9		
Do.						Pit		do. do.		13		0	0		

#### No. 987.—FRANKLAND.

#### TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnauce Map. Lat.

, Long.

An Account of Strata sunk through at Frankland Engine Pit.

Fa. Ft. In. Fa. Ft. In.  Loose metal, with large stones 3 0 6  COAL, coarse 0 1 1	Brought forward 0 1 10 3 1 7  Dark blue stone 2 0 2  COAL 0 0 10
Thill stone 0 1 10	2 2 10
Carried forward 0 1 10 3 1 7	Carried forward 5 4 5

#### No. 937.—FRANKLAND.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.		Brought forward				Fs. 6		In.
Thill stone	0	2	8		-	-	Ft. In.	-	-		-	-	-
COAL		0	8				COAL, good 2 10						
	_			0	3	4	COAL 0 10						
Thill stone	0	1	8				11 200	0	3	8			
Blue stone, with iron								_		_	6	2	6
girdles	0	4	8				Thill stone	0	1	0			
Metal stone, with post							Post stone, much bro-						
girdles Post stone	2	2	3				ken with trouble	1	5	4			
Post stone	2	2	3				Blue stone						
							Grey metal	2	2	0			
								-		-	6	0	4
Carried forward	5	4	10	6	1	9	Total				18	4	7

### No. 938.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

Strata sunk through at the Staple, at Frankland Colliery. 1861.

			Fs.			Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dry sand		***	0	5	0				Brought forward				19	0	8
Sand, with	water	***	1	0	6				Blue metal stone	0	4	6			
Loamy clay			0	3	6				Post stone, with a little						
Freestone	***		6	2	0				water	1	0	0			
COAL -	Low M	ain							Blue metal stone	0	0	2			
Seam			0	2	10				Post stone	0	2	0			
Deterre	***	***		-		9	1	10	Grey metal stone	0	2	0			
Thill stone			0	5	6		-	10	701	0	1	0			
Freestone	111	***	5	1	6					100	0	2			
				2	6				Ironstone girdle	0					
Blue metal		***	0	2					Blue stone	0	1	6			
COAL	1000	***	0	1	2	-			Post stone	0	0	6			
The same of			-			6	4	8	Blue metal stone	0	3				
Blue metal	stone	***	1	0	6				Post stone	0	0	6			
Post stone		***	0	2	6				Blue metal stone	0	3	4			
Blue metal	***	***	0	0					Post stone	0	0	4			
Post stone		***	0	2	2				Blue stone	0	0	2			
Blue metal	stone		0	0	8				COAL, good 3 10						
COAL			0	0	10				COAL, bottom 0 6						
-	***		_	_		2	0	10	Stone 0 4						
Blue metal	stone		0	4	6	-	×	10	COAL, bottom 0 8						
COAL	Ma Day	***	0		10				OOAL, bottom o o	0	5	4			
COAL	***	***	U	U	10	0			-	0	D	4		~	
			-			0	9	4					5	0	8
	Camiad	£				10	0	0	maria					-	74
	Carried	TOP	ware	u		19	0	8	Total		***	-	24	1	4

#### No. 939.-FUGAR HOUSE.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

Account of Strata bored through at Fugar House, about 200 yards to the East of the Blue Well Outburst, supposed to be the Outburst of the Low Main Coal on Tyne. April 12th, 1755.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay	0	1	0			-	Brought forward					2	
COAL, foul, mixed							White and grey post	0	4	6			
with stony clay	0	1	0				Open parting, with						
Soft blue and grey							water	0	0	4			
metal, with a spring							White post, with water						
of water near the							COAL		0				
	1	2	6				Black slaty metal,	-		. ~			
Strong white post						- 2	mixed with coal	0	0	6			
Strong grey metal	-						maca with today iii	-			5	A	6
stone, with post							Grey metal	0	9	6	0	*	0
gindles with post	0	9	0				COAL	0		2			
girdles White post	0	9	8					0	1	0			
	U	4	0					U	1	U			
White post girdle,							Grey metal, scared	^		0			
with metal partings	0	n	~				with coal	0					
and settled the water	2	U	U				COAL	0	0	8		-	7.0
White and grey post,										_	1	0	10
with brown and							Grey metal, with post	-	-				
black scamy part-		-					girdles	0	4	0			
ings and water		1					Grey post, with scamy						
Black metal		2	0				partings and water		3				
Grey metal	0	2	0	4			COAL	0	0				
White post, with metal							Blue metal	0	1	0			
partings	0	4	6				Grey metal	0	4	0			
Grey metal	0	0	8				Strong grey and blue						
COAL	0	0	2				metal stone, with						
	_	_		18	4	7	post girdles and						
Grey metal	0	1	0	7		3 1	water	2	1	0			
Grey metal stone		4	6				Grey and white post,	_		~			
Grey post, with strong	-	-	~				with water	1	3	0			
girdles, metal part-							COAL		2	0			
ings and water	6	3	0					0		6			
COAL		0					COAL		0				
Slaty band or lump		o	1					0		2			
COAL		1	0				COAL, Iour	U	U	-	-		ò
OOAL	U	-	U	7	0	10	Ones motel -				-	T	0
White wast with which	0	-	0	1	9	10	Grey metal, with					-	-
White post, with water			0				girdles and catheads				0	3	0
Grey metal	0	2	6										
	-	-	-	-	-	-	m				-	1 12	
Carried forward	2	2	6	26	2	5	Total		144		41	0	3

#### No. 940.—FUGAR HOUSE.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 35' 53", Long. 1° 39' 25".

An Account of Strata bored through, 240 yards South-east from Fugar House, in the Lane leading to Newcastle, for the Earl of Scarbro'. 1755.

Approximate surface level 293 feet above sea (Ordnance datum).

Brown post and soft	Fs.	Ft.	In.	Fs. Ft.	In.	Brought forward					Ft.	
scamy partings	2	5	6			Grey metal stone and			-		-	3
An open waste or hol-						post girdles, with						
low place		0	10			black scamy part-						
Loose post stone						ings and water	1	4	0			
Ft. In.			0			Grey post, with water						
COAL, loose 2 9						Grey metal stone, with		-				
COAL, loose,						seamy partings	0	2	0			
and metal 1 0						Grey post, with black	0					
COAL, loose 2 9						scamy partings	1	1	6			
OOAL, 100se 2 5	1	0	6			Grey post, with coal	*	-	0			
	-	0	0	4 7	- 4	pipes (set away the						
Clean and beauty soomy				4 1	-	water)	0	5	0			
Grey and brown scamy						Soft grey metal	0	1	0			
metal, with coal	0	1	0			COAL	0	4	9			
and water Black metal stone,	0	1	0			COAL	U	0		19	9	
	à		0			Grow motal and matal				19	2	9
with scares of coal	U	4	U			Grey metal and metal	0		0			
Grey metal stone, with	,		0			stone	U	4	0			
girdles or lumps	1	9	U			Grey post and metal		,	-			
Grey metal stone, with		0	0			partings	1	1	0			
post girdles	1	0	U			White post, with water	2	9	0			
Grey post, with metal		-	-			White post	4	4	9			
partings	0	9	0			White metal	0	U	4			
Grey metal	0	2	0		0	COAL — Supposed						
Grey post, with metal		-				Beaumont or Har-						
partings		5				vey Seam	0	2	6			
Grey metal stone	0	3	0			D1 1 41 11	-	0	-	9	1	1
Grey post and metal	-					Black grey thill	0	0	6			
partings	0	3	0			In grey metal stone	0	0	9	-	4	
Grey and white post							-			0	1	3
(set away the water)	0	1	6	-								
Carried forward	6	3	2	4 1	4	Total				33	0	0

## \* Approximate sea level 90 feet below this.

#### No. 941.—GALLOWGATE.

TOWNSHIP OF ST. ANDREW, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58' 24", Long. 1° 37' 15".

Boring adjoining the Madhouse, in Gallowgate. Approximate surface level about 198 feet above sea (Ordnance datum).

Sunk to the Yard Coal		In. Fs. Ft. In. 33 0 0	Brought forward			In. Fs 0 33		
	$\begin{array}{ccc} 1 & 0 \\ 1 & 0 \end{array}$		Brown and white post (water goes away)	1	3	0		
Carried forward			Carried forward	3	3	0 33	0	0

### No. 941.—GALLOWGATE.—CONTINUED

Brought forward Strong white post Whin Strong white post, open partings (water goes away) White and brown post Strong white post	3 1 0	3 3 2	0				Brought forward 48 5 4.  Grey stone 1 0 0  White post 0 1 0
Strong white post Whin Strong white post, open partings (water goes away) White and brown post Strong white post	1 0	3 2	0	33	0	0	Grey stone 1 0 0 White post 0 1 0
Whin Strong white post, open partings (water goes away) White and brown post Strong white post	0 1 0	2	0				White post 0 1 0
Strong white post, open partings (water goes away) White and brown post Strong white post	0 1 0	2	0				
partings (water goes away) White and brown post Strong white post	Ō	0	٥				
away) White and brown post Strong white post	Ō	0	٥				Grey stone 0 1 8
away) White and brown post Strong white post	Ō	0	Λ				White and grey post 0 4 0
White and brown post Strong white post	0		J				Strong white post,
Strong white post		3	0				with water 0 1 4
*** *	3	.0	0				Iron whin 0 1 6
Whin	0	1	4				Strong white post 0 5 0
White post	0	3					In part water 0 0 4
Open partings (water							Whin 0 3 0
goes away)	0	0	5				Strong white post 0 3 0
White post	_		Ō				Grey metal 0 1 0
White post (water goes							COAL 0 2 8
away)	2	0	0				Metal 0 0 4
Whin		2					Low Main Seam
Bensham Seam-							Ft. In.
Ft. In.							COAL 1 0
COAL 1 4							COAL, mixed
Metal 0 3							with slates 0 4
COAL, foul 0 4							COAL 0 4
Black slate.							0 1 8
mixed with							1
coal 0 8							5 1 10
0 0	0	9	7				
				15	5	4	
Carried forward	· ~l			48	5	4	Total 54 1 2
Carried for wa	a. u			-0	•		10001 09 1 2

#### No. 942.—GALLOWGATE.

TOWNSHIP OF ST. ANDREW, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58′ 24″, Long. 1° 37′ 22″.

Boring in Capt. George Stevenson's Estate, at the Foot of the Lane leading from the Quarry House to Gallowgate, near the Spring Garden.

Sunk to the scaffold   5 0 0	Brought forward  Metal Coal Seam—  Ft. In. 7 3 0  Fo. Ft. In. 7 3 0  Ft. In. 7 3 0
Carried forward 7 3 0	Carried forward 8 2 2

### No. 942.—GALLOWGATE.—CONTINUED.

Brought forward	Fa.	Ft.	In.	Fs. 8		1n. 2	Brought forward	18 18	Ft.	In. 9	Fs. 33	Ft.	In
Grey thill	0	3	0				Bensham Seam-						
Grey metal	2	0	0				Ft. In.						
Grey post		3					COAL, good 1 7						
Grey metal	1		0				Metal 0 3						
Black stone	0	3	0				COAL, foul 1 3						
COAL, with water-		16	-				Slate, mixed						
Stone Coal	0	1	5				with coal 0 8						
	_	_	_	4	5	5	_	0	3	9			
Black stone	0	1	0								19	2	-
Grey stone	1	0	0				Grey stone	,	0		-	-	•
Grey post, with water	0	3	0					1	0 2	0			
Grey stone	1	0	0				White post Grey stone	0	ī	0			
Grey metal	2	3	0				White and grey post,	0		o			
Black metal, mixed							with water	1	1	0			
with coal	0	2	0				Strong whin	ō	2	0			
Grey post	1	0	0				Strong white post	0	5	0			
Brown and grey post,		0	-				Whin	0	3	4			
with water	1	0	0				Management of the second secon	Õ	3	0			
Grey stone, with post		20					Grey metal	0	1	3			
girdles	2	3	0				Low Main Seam-	1	8				
White post, with water	0	5	0				The state of the s						
Blue stone	0	5	0				COAL, foul 3 5						
Whin	0	2	2				36.4-1 0 4						
Blue stone	2	0	0				COAL, good 1 3						
White post	1	3	0				COAL, foul 0 8						
Black stone	1	-	0				00,10,1000	_	-	_			
Grey stone Black stone		3	0					0	5	8			
A	1	4	2				1	_	_	-	6	0	3
	-	-	-				Strong grey stone	4	3	0			
Yard Seam- Ft. In.							Black stone	1	0	Õ			
COAL 2 10							Grey post, with whin	7	-	-			
Black stone,							girdles	4	4	0			
mixed with							Strong whin	0	2	0			
coal 0 7							Grey stone, with whin						
-	0	3	5				girdles	6	4	0			
	_		_	20	1	9	Strong whin	0	2	0			
								0		0			
Grey stone	1	0	0				Strong whin	0	2	6			
Blue stone	1	0	0				Grey stone	0	2	0			
Brown and white post	1	3	0			*		0	2	3			
Strong white post	3	0	0				Whin			6			
Whin	0	2	6				Black metal	0		0			
Open partings	0	0	4				Grey stone	3	2	4	-	2	
Strong white post	3	0	0					-		- 1	23	0	7
Whin	0	2	0										
Strong white post,	-												
mixed with whin	7	2	-										
Grey stone	1	0	0										

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 943.—GALLOWHILL.

### TOWNSHIP OF BOLAM, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 55° 7′ 50″, Long. 1° 50′ 40″.

Boring at Gallowhill, from the Bottom of the Quarry, South from the Coal Pits and Lime Kiln. 1823.

Approximate surface level 375 feet above sea (Ordnance datum).

Blue metal		Ft.		Fs.	Ft.	In.	Brought forward		Ft. In			In.
Freestone, mixed with coal							Grey freestone, very			_		'
COAL (seam now in work)	0	1	4					0	1 1 2 0	)		
Thill	 0	1	_ 0	3	1	7	Grey freestone  Bastard whin  Grey freestone	0	1 6 0 10 1 3	) _		
White freestone post Grey freestone post		2	9					0	0 8	}		
White freestone	0	4	5 <del>]</del>			_				15	3	_6 
Carried forward		0	_	<b>3</b>	1	7 - 1-	Total vel 262 feet below this.		•••	*18	5	<u></u>

# No. 944.—GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat.

, Long.

Strata bored through at the Spen, in Mr. Smith's Land.

Fs.	Fs.	Ft.	. In.	. Fs.	Ft.	In
8	8	1	4	24	. 1	. 8
0	0	0	8	,		
0	0	0	2	;		
				- 8	2	2
0	0	0	10	)		
0	0	2	3	1		
0	0	4	0	)		
0	0	0		,		
0	0	4		)		
1	1	3		)		
1	1	1	. 0	)		
0	0	4		;		
0	0	5		)		
1	1	1		;		
0	0	5		)		
0	0	2		)		
0	0	3				
1	1	4	6	;		
2	2	0		)		
4	4	3	3	}		
				17	2	7
				50	0	) (
						50 0

#### No. 945.—GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 56' 12", Long. 1° 45' 48".

Account of Strata sunk through at Ash Tree Colliery, in the Pit near the joining of the Lane with Barlow Fell. 1798.

Approximate surface level 580 feet above sea (Ordnance datum).

Walled with stone		Fa.	Ft.		Fø.	Ft.	In.	Brought forward Fs. Ft. In. Fs. Ft. In. 18 3 0t
Brown post		6	5	6				The state of the s
Blue metal stone		1		0				Grey post 2 1 2
COAL		ô	0					COA!
Blue metal stone		0	1	3	2			muni
COAL	***	-	1					0
COAL		0	1	U			44	Grey post 4 3 0
		-	-		14	4	15	COAL Tilley Coal 0 1 9
Blue metal stone	***	0	1	11				7 5 10
COAL	.74	0	0	4				Thill 0 3 0
Thill		0	0	6				Brown post 6 1 6
Grey post		2	0	0				COAL (thinner by
Blue metal stone		1	0	0				being crushed) -
COAL - Barlo			-	-				Stone Coal 0 2 7
Field Coal	-	0	2	2				Drone Cour
Freta Coat	***		-	-	3		11	* * * *
					9	4	11	711
Carried	for	war	d		18	3	$0\frac{1}{2}$	Total *33 4 0

<sup>\*</sup> Approximate sea level 348 feet below this.

#### No. 946,-GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56′ 8", Long. 1° 44′ 28".

Account of Boring in the First Pit, Garesfield Colliery. 1801.

Approximate surface level 400 feet above sea (Ordnance datum).

	Fs. Ft.	In. Fs. Ft. In	The second second	Fa.	Ft.	In.	Fs.	Ft	Try.
Soil and clay	1 0	0	Brought forward						-
Soil and clay	0 3	0	Blue stone, with post						
Blue clay, with whin			girdles		4	7			
tumbler	3 3	0	COAL and black						
Sand, with a small			slate - Barlow Fell						
feeder	0 2	0	Coal	0	3	6			
Blue clay, with small							12	5	0
tumblers	1 0	0	Clay stone						
Blue ramble, with			Blue stone	1	0	0			
water	2 2	0	Black stone, with gir-						
Yellow post, with part-				0	3	0			
ings	1 2	0	dles Brown post	1	5	3			
Blue stone	0 4	5	White post, with large						
Grey post	0 4	6	gullets		4	3			
Carried forward	11 9	11	Carried forward	6	2	-	12	-	-

#### No. 946.—GARESFIELD.—CONTINUED.

4 7 2 1 1 3		Ft.	In.	Fs.	Ft.	In.	21 31 31 31	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	2	6	12	5	0	Brought forward	0	0	6	30	1	10
Grey platy post	1	0	6				Black stone	0	5	10			
Whin girdle	0	1	4				COAL-3 4 Seam	0		4			
Platy post											1	9	8
	0	ĩ	2				Characteria	0	0	0		-	0
Whin girdle							Clay stone						
Post girdle	0	-	10				Whin girdle	0	0	6			
Blue stone	3	2	7				Blue stone, with gir-						
White post	3	1	3				dles	1	1	6			
COAL - Tilley Coal	0	0	6				Platy post girdle	-	1	7			
Timey cour	_	-	.,	15	0	10	Whin girdle		î				
Thell and blue stone	0	-	0	10	0	10		~					
The state of the s	0	-	100				Grey metal stone	-		10			
COAL -Stone Coal	0	3	6				Blue stone	0		10			
	-	_	_	1	3	2	Black jet	0	0	4			
Clay stone	0	1	0				Blue stone and grey						
COAL 5 4 Seam		3					girdles	0	4	0			
	-	~		0	A	10	COAL - Brockwell		-	-			
Man stone	0	0	0		-20	10		0	0	0			
Clay stone	0	0	D				Seam	U	3	6	-		
								_		-	7	1	9
Carried forward	0	0	0	90	1	10	Total				39	0	3
Carried forward	0	O	0	90	T	10	Total			-	99	0	9
	Ap	pro	xin	nate	sea	leve	el 1654 feet below this.						

#### No. 947.—GARESFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 55′ 55″, Long. 1° 46′ 58″.

Section of Strata, Chopwell A Pit, Garesfield Colliery.

Approximate surface level 500 feet above sea (Ordnance datum).

Fs. Ft.		s. Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Outset 1 0	0			Brought forward 26 1 7
Strata from surface 15 4	9			Strata 4 4 4
Stone Coal Seam-				Brockwell Seam-
Ft. In.				Ft. In.
COAL, good 2 6				COAL 0 64
Band 0 03				
COAL, good 0 21				Clay stone band 0 7
_ 0 2	9			COAL 0 4
0 2			0	Band 0 2½
		1	0	COAL 2 1
Strata 4 4	3			Splint 0 4
Five-Quarter Seam-				- 0 4 1
Ft. In.				5 2 5
COAL, good 3 21				
Band 0 1				Fire clay 0 1 4
COAL, good 0 21				Ft. In.
- 0 3	6			COAL 0 6
	-	5 1	0	Fire clay 0 2½
9 1		. 1	0	COAL 0 2
Strata 3 1	0			COAL 0 2 Fire clay 0 6
Three-Quarter Seam-				- 0 1 41
Ft. In.				
COAL, good 1 71				- 0 2 8
Band 0 1				
COAL, good 0 84				
Band 0 01				
COAL, good 0 21				
	8			
- 0 2		3 4	.4	
		9 4	*	
Carried forward	2	6 1	7	Total *32 0 8
CHIFIEG IOFWARG	160	J. J.	-	

#### No. 948.—GARESFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Orduance Map. Lat. 54° 56′ 0", Long. 1° 46′ 58".

An Account of Strata sunk through in the Chopwell Bute Pit, Garesfield Colliery, by Samuel Coxon. 1867.

Gravel, including out-				Fs.	Ft.	In.	Brought forward 3 0 0 21 3 2
set	2	0	0				Blue metal, with iron
COAL - Towneley							girdles 0 2 0
Seam (outcrop)	0	0	-				Three-Quarter Seam—
Fire clay	0	3		0	0	0	COAL In.
Wast west	0		-	2	3	0	COAL, good 1 7½
Mixed post	0	0					Stone band 0 1
COAL	0	U	9		,	,	COAL, good 0 8½
CII	~	0		3	1	1	Stone band 0 01 COAL, good 0 21
Clay	4	2	11				— 0 2 8
White post							<u> </u>
COAL—Tilley Seam						17	
	-			5	1	-	Thill 0 1 0
Good fire clay	0	2	0				Blue and grey metal 1 3 4
Blue metal, with iron	4		-				Black stone and splint 0 0 8
girdles							Post 0 0 4
COAL	0		2		0		COAL 0 0 4
				2	0	6	1 5 8
Fire clay	0	1	0				Thill 1 0 0
Blue metal, with iron		-					Strong grey metal 0 2 9
catheads		0					Iron girdle 0 0 7
Bastard whin	0	2	0				Strong grey metal 0 3 4
Strong grey metal,		-	-				Iron girdle 0 0 4
with post girdles	0	5	3				Grey metal 0 1 8
Strong post	0	0	9				Bastard whin 0 0 8
Soft blue metal stone	0	3	10				Grey metal, with post
COAL - Stone Coal	-	-					girdles 0 4 8
Seam	0	2	6	-	-		Brockwell Seam—
	-	-	_	3	3	10	Ft. In.
Good fire clay	0	1	6				COAL 0 64
Fire clay, with cat-							Clay band 0 7
heads	0	1	0				COAL 0 44
Blue metal, with whin		_					Black stone 0 24
and iron balls	3		0				COAL 1 111
Whin	0	1	6				Splint 0 4
Strong blue metal,		5					- 0 4 0
with iron balls		4					- 4 0 0
COAL-5 4 Seam	0	3	2		-		Good fire clay 0 1 4
	-	-	-	4	5	2	COAL, coarse 0 0 5
Good fire clay	0	0	10				Clay band 0 0 3
Thill Post	0	2	2				COAL 002
Post	0	1	4				0 2 2
Grey metal, with							Strong clay, with cat-
strong post girdles	0	3	3				heads 0 1 7
Post and whin Blue metal	0	1	7				Strong white post 1 0 3
Blue metal	0	2	8				Brown whin 0 2 3
Soft blue and black							Grey metal 1 0 0
stone, with iron	4						Blue metal 0 2 6
girdles	1	0	2				3 0 7
0 116 1	-	ò	-	-	-	-	m ( ) 401 1 0
Carried forward	3	U	U	21	3	2	Total *34 4 3

<sup>\*</sup> Approximate sea level 3113 feet below this.

#### No. 949.—GARMONDSWAY.

TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat.

Long.

Strata sunk through in the West of Anne Pit, Garmondsway Moor Colliery, near Bishop Middleham. 1837-8.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.			201 2			Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	233				1	5	. 0	Brought	forw	ard				64	1	11
Soil		0	1	0				Thill	***	***	0	2	0			
Clay		4	2	6				Grey metal		***	0	4	1			
Yellow limestone		18	5	4				Strong white			0	1	6			
Brown limestone		6	3	0				Maria de la			1	0	8			
Blue limestone		1	5	0				COAL		***	0	4	10			
Blue and brown 1		16	-	-				-		***		-		3	1	1
stone, mixed		2	1	6				Thill		727	0	1	0		-	
Blue limestone	625	16	2	8				77		744	5	3	0			
Dide illitescone		10	~	0	50	3	0	COAL			0	0	10			
Blue metal		0	5	9	90	0	0	COAL			U	U	10	5		10
0041	112	0	1	0				CIL			-	0	0	9	4	10
COAL	-22	0	1	U	4		9				0	0	2			
		-	-		T	0	9	COAL		155	0	0	10	-	-	
Blue metal	111		5	9							-	-	-	0	1	0
White post		2	4 2	6						19.85	0	0	6			
Grey and black n	netal	2		6				COAL		160	0	2	4			
Black stone	***	0	4	0							-	-	-	0	2	10
Post girdle	***	0	1	0				Black stone .		+++	0	0	4			
Grey metal		0	5	6				COAL	**	***	0	1	7			
COAL		0	1	6				The state of the s			-		_	0	1	11
		_	_	_	9	0	9	Blue metal						0	4	9
Grey metal		1	3	10												
COAL		0	0	7												
		_	_	-	1	4	5									
					-	-	_							_	-	
Carried forward	and				64	1	11	T	otal					75	0	A
Carried forwa	ard				O.F.	-	**	1	Otoll	***		***	-	10	0	4

#### No. 950.—GARMONDSWAY.

TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Boring in Garmondsway Moor Estate, about half a mile South of the Pit. March 24th, 1840.

Soil Fs. Ft. In. Fs. Ft. In. Limestone ramble 1 4 0	Brought forward 18 0 0 Strong white lime-
Strong brown lime- stone, with water 16 0 7	stone, with a strong feeder of water 7 0 0
Carried forward 18 0 0	Carried forward 25 0 0

### No. 950.—GARMONDSWAY.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Brought forward	Fs.	Ft.		Fs. 55		In
Brown limestone, very							Strong grey metal						
strong the last 5 feet							stone	1	3	6			
(through June 13th,							Strong white nest	0	3	0			
1840)	2	4	0				Whin Grey metal stone	0	3	4			
Dark grey stone	0	2	0				Grev metal stone	3	0	0			
Brown post		5	6				Strong white post	0	3	1			
	0		0				Whin	0	0	5			
Red and grey post	4	2	0				Strong white post,		-				
Red and grey metal			0				mixed with whin						
Red and grey post		1	4				(got 8th August,						
Black metal			6				through 22nd)	1	1	0			
Grey metal stone	4	0	3				Grey post	0	4				
		2	0					U	-	0			
Post girdles			0				White post, mixed	0	2	2			
Grey metal stone			0				with whin	U	2	-			
Black metal stone		2	4				Grey metal stone, with	4		-			
Grey metal	1	2	4				post girdles	1	3	5			
Ft. In							Black metal	0	0	3			
COAL, tender 1 8							Grey metal stone, with	14	-	-			
Grey metal 0 7							post girdles Grey post	1	5	0			
COAL 0 6									1	8			
							Grey metal stone			3			
1	0	2	9				COAL, foul	0	0	6			
	_		_	42	3	8	Grey metal						
				-	-		Ironstone girdle	0	0	6			
Dark metal, with scares							Grey metal						
of coal	0	0	10				Grey post	0	1	0			
Grey metal stone, with	0	-	-				Grey metal						
post girdles	1	2	0				Grey post	0	î	0			
Grey post, mixed with							Strong white post	0		6			
whin and water	0	2	5				Grey post	0	i	6			
Grey metal stone	2	0	6					0		0			
Black metal	0	0	3				White post, mixed	0	-	*			
Grey metal, with post							with whin	0	1	7			
girdles		0	3				Soft grey post, inclin-	-		-			
The same of the sa							ing to metal stone		2				
Ft. In							White post	0	0	10			
COAL, tender 2 6							Grey metal	0					
COAL, foul 0 9							Black metal	0	0	4			
	0	3	3				Ft. In.						
					0	0	COAL 1 5						
				6	0	6	COAL, slaty 0 1						
Dark grey metal	0	2	0				COAL, coarse						
Grey metal stone	4	3	0										
Black metal	0		9				and tender 2 9	-					
COAL	0	0	7					0	4	3			
Black and grey metal,	-	-	-							_	18	0	
with scares of coal	0	3	8				General Control	160	-	150	10	0	
Ironstone girdle			6				Grey metal	0	1	0			
	0						Grey metal stone, with						
							strong post girdles	1	2	3			
	0									-	1	3	1
Grey metal	0	0	2								-	0	1
COAL	0	0	6										
	_		-	6	0	0							
					17		No.				_		
Chand of Farms					,	-	Total			4	74	4	-
Carried forward				55	1	2	20000 111		100	-			

### No. 951.—GARMONDSWAY.

#### TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

#### Account of Boring in the second Hole, in Garmondsway Estate. 1840.

				Fa. 1	Pt. I	n.					Fs.		
Soil							Brought forward	3			60	3	5
Clay	1		6					1	0	9			
Limestone ramble	•	_	0					1	0	0			
Marly limestone	18	1	0					1		2			
Strong white lime-							Dark metal	0	0	4			
stone, with water							Ft. In.						
(25 fathoms 3 feet							COAL 1 2						
from the top)	10	0	6				Dark metal 3 ·7						
Brown limestone							COAL 1 3						
Brown limestone, ra-								1	0	0			
ther soft	4	2	6					_			7	2	0
White limestone	ĩ	4	Õ				Grey post	٥	5	0	•	_	٠
Yellow limestone	_	ŝ	ŏ				Strong white post			ŏ			
Sand	ŏ						Strong white post,	v	·	v			
Brown limestone	Ξ	5	8				mixed with whin	0	Q	11			
Grey metal stone	õ		10					U	J				
	U	-	10				COAL, soft 0 6						
	1	_	0										
	_	5 2	4				Grey metal 1 3 COAL, strong 1 1						
Grey metal	0						COAL, strong 1 1	^		10			
Red and grey metal	2	1						U	2	10	_		_
Red and grey post	3	0	0					_		_	7	4	9
Grey metal stone, with	_	_					Grey metal stone, with	_	_	_			
ironstone girdles	5	5					post girdles	6	1	1			
Grey post	0		5				Ft. In.						
Grey metal stone	0	5	5				COAL, good 1 7						
White post, mixed							Grev metal 0 3						
with whin	0	3	1				COAL, strong						
Grey metal stone, with							good 2 3						
post girdles	1	1	3				COAL, coarse 1 1						
COAL, strong, and								0	5	2			
very good (supposed								_			7	0	9
5.4 Seam)	0	3	9				Grey metal	1	0	0	•	-	_
5,2 55mm,	_			60	3	5	Grey metal stone, in-	-	•	•			
Grev metal stone	1	2	0		•	•	clining to post	n	1	0			
Grey post, mixed with	•	_	۰				cinning to post	_			1	1	(
whin	1	4	9				1				•	•	•
wiiii		-											
Carried forward	3	0		60	3	5	Total				83	5	5
Sarried forward	3	U	8	w	3	J	1001		•••		00	_ 0	- 6

#### No. 952.—GARMONDSWAY.

#### TOWNSHIP OF GARMONDSWAY MOOR, DURHAM,

Sheet 35 of Ordnance Map. Lat. , I

Account of Strata bored into below the Harvey Seam, 700 yards North-west of Garmondsway Moor Shaft. Commenced August 26th, 1846.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft. In. Fs. Ft. In.	Fa Ft. In. Fa Ft. I
Thill stone	1	0 11	Brought forward 0 3 6 17 4 11
Grey post stone	0	4 11	Dark blue stone 0 1 7
Grey metal	0	3 6	Ft. In.
Post girdles	0	1 0	COAL 0 3
Blue metal	0	1 7	Thill stone 0 4
Post girdles	0	0 9	COAL 1 21
Grey metal and post			— 0 1 9 <del>1</del>
girdles	1	0 1	
Black stone	0	1 8	Thill stone 0 3 4
COAL	0	0 3	COAL 0 0 1
Black stone and coal	0	2 4	Thill stone 0 2 6
Thill stone	0	3 8	COAL 0 0 1
Post girdles	0	2 61	Hard grey post 0 1 7
Grey metal	0	0 7	White post 1 1 1
Post	5	5 9	Grev metal 1 4 6
Grey metal and iron			Black stone 0 1 1
girdles	2	4 101	Grey metal 2 1 0
Soft blue metal	0	3 1	Black stone 0 1 6
Grey metal	0	0 10	COAL 0 0 9
Blue metal	0	0 3	Black stone 0 0 2
Hard grey metal	0	2 61	Grey post 1 2 3
Post girdles	0	0 6	Blue metal 0 2 4
Grey metal and post	-		Grey post 0 1 10
girdles	1	0 5	COAL
Blue metal	0	3 3	Grey metal 0 5 0
Ft. In.	~		COAL
COAL 1 1			0.4
Mild thill stone 0 5			COAL
COAL OT			/TL:11 -4 0 1 0
COAL 0 1	0	1 75	W1.14
_	v	17 4 111	White post 0 1 3
Thill stone	0	3 6	n o
Carried forward	0	3 6 17 4 111	Total 30 0

#### No. 953.—GATHERICK.

TOWNSHIP OF BARMOOR, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 40' 8", Long. 1° 4' 57".

Section of Strata sunk through to the Bulman or Main Coal Seam, at Gatherick Colliery. September 15th, 1819.

Setting, being soil and clay Freestone banks	1	3	0	Brought forward White freestone Grey freestone	4 2	2 5	0	Fs.	Ft. I	0.
Carried forward	4	2	0	Carried forward	11	5	6			

#### No. 953.—GATHERICK.—CONTINUED.

Carried forward 11	Ft.		Fs.	Ft.	In.	Carried forward				Fs. 12	Ft.	In.
Black Hill or Sere-	-	~				Tills		3		88	-	-
merston Main Coal						Metal (soft and whit-	-	-	~			
Seam (in a bad						ish, like marl)	0	3	6			
state)— Ft. In.						Tills, mixed with ten-			0			
						der freestone bands	0	0	0			
COAL,rough 1 5 Bastard lime-						Bulman or Main Coal	0	-	0			
The second secon						and the same of th						
stone 0 8						Seam- Ft. In.						
COAL 0 6						COAL, top,						
Blue tills 2 0						generally left						
COAL 1 2	-	-				for a roof 1 0						
0	5	9	20	3	-	Black stone 0 1						
The second secon	=	_	12	5	3	COAL, splint,						
Freestone 0	2	4				strong 1 4						
COAL, coarse 0	1	4				Metal, bluish 0 4						
Freestone bands 1	3	0				COAL, splint						
COAL, slaty 0	0	5				(better than						
Black tills 0	1	4				last) 1 0						
Limestone 0	1	0				Shalk stone 0 1						
Blue tills 1	3	0				COAL, smithy 0 7						
Very hard freestone 0	3	5					0	4	5			
Strong tills 0	2	6					_	_	_	7	3	3
Freestone 0	2	o				Soft metal thill				0	-	-
	-	_	_		_	Coas meets that				_	_	-
Carried forward 5	2	4	12	5	3	Total			1	*20	3	4
Carron torward 0	-	-			-	10001			-		-	

<sup>\*</sup> Approximate sea level 1562 feet below this

#### No. 954.—GATESHEAD.

TOWNSHIP OF GATESHEAD FAST WARD, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 57′ 43", Long. 1° 36′ 51".

Bored in the Chapel Pit, Gateshead Park, from the Yard Coal.

Approximate surface level at top of pit 148 feet above sea (Ordnance datum).

						Fs. Ft. In	Downsk						In.	Fs.	Ft.	In.
Grey metal	555	***			2	1 4	Brough				7	0	8			
Blue stone			1	0	2	I	Blue stone,	wit	h gi	r-						
Grey band, n	nixed	with				172	dles				0	5	11			
ironstone			0	5	4	1	Vhite post				0	4	0			
Grey metal			0	2	2	I	Blue stone				0	3	4			
White post			0	2	6				Ft.							
Grey post		***	0	4	5	(	COAL		1							
White post			0	3	2	S	wad under		0	01						
AN ACCOUNT OF THE PARTY OF THE	***	***	0	0	8		COAL		0	81						
Blue stone,						S	wad under		0	01						
dles	***		2	2	2		COAL		0	9						
Dun whin	***	***	0	1	5				_	_	0	2	9			
Blue cash			0	0	6					-	-	-	-	9	4	8
			_		_									_	_	_
Carried	forw	ard	7	0	8			Tot	al					9	4	8
Carried	Iorw	ard	7	U	8	1		Tot	aı			***		= K	4	-



#### No. 953.—GATHERICK.—CONTINUED.

Fa Fa In Fa Fa In.  Carried forward 11 5 6	Fa Fa In. Fa Fa In. Carried forward 5 2 4 12 5 3
Black Hill or Scre-	Tills 0 3 0
merston Main Coal	Metal (soft and whit-
Seem (in a bad	ish, like marl) 0 3 6
state)— Pr. In.	Tills, mixed with ten-
COAL, rough 1 5	der freestone bands 0 2 0
Bastard lime-	Bulman or Main Coal
stone 0 8	Seam P. In.
COAL 0 6 Blue tills 2 0	COAL, top,
Blue tills 2 0	generally left
<b>COAL</b> 1 2	for a roof 1 0
<b>— 0 5 9</b>	Black stone 0 1
12 5 3	COAL, splint,
Freestone 0 2 4	strong 1 4
COAL, coarse 0 1 4	Metal, bluish 0 4
Freestone bands 1 3 0	COAL, splint
COAL alata 0 0 5	(better than
COAL, slaty 0 0 5 Black tills 0 1 4	San the san th
Limestone 0 1 2	last) 1 0
Lamestone U I U	Shalk stone 0 1
Blue tills 1 3 0	COAL, smithy 0 7
Very hard freestone 0 3 5	· 0 4 5
Strong tills 0 2 6	7 3 3
Preestone 0 2 0	Soft metal thill 0 0 10
Carried forward 5 2 4 12 5 3	Total •20 3 4

Approximate sea level 156} feet below this

#### No. 954.—GATESHEAD.

TOWNSHIP OF GATESHEAD PAST WARD, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 57′ 43″, Long. 1° 36′ 51″.

Bored in the Chapel Pit, Gateshead Park, from the Yard Coal.

Approximate surface level at top of pit 148 feet above sea (Ordnance datum).

Blue stone Grev hand, mixed with	Fa Fa In Fa Fa In 0 2 2 1 0 2 0 5 4	Brought forward 7 0 8  Blue stone, with girdles 0 5 11  White post 0 4 0
ironstone Grey metal White post Grey post White post Grey post	0 2 2 0 2 6 0 4 5 0 3 2 0 0 8	Blue stone 0 3 4  COAL 1 3 Swad under 0 04 COAL 0 84
Blue stone, with girdles Dun whin	2 2 2 0 1 5 0 0 6	Swad under 0 0
wried forward	7 0 8	Total 9 4 8

#### No. 955.—GIBSIDE.

#### TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55′ 29", Long. 1° 43′ 32".

Account of Borings at Gibside, to determine the Foundation of the Hall.

No. 1 Hole.—Front of the Hall.

Approximate surface level 148 feet above sea (Ordnance datum).

Sand and gravel Quicksand (water at top) Tumbling stone	 		Fs. 1 1 1	3	In. 4 0 2		Ft.	ln.	4
Loamy sand	 ***	***	0	3	6	4	0	0	
Total	 	***	150			*4	0	0	)

<sup>\*</sup> Approximate sea level 124 feet below this.

#### No. 956.—GIBSIDE.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55' 27", Long. 1° 43' 31".

No. 2 Hole bored at Gibside.—Back Side of Hall.

Approximate surface level 175 feet above sea (Ordnance datum).

Forced metal 1 4 0 Sand and gravel 1 1 6 Quicksand (water at bottom) 0 4 6 Clay 2 2 0 Tumbling stone 0 0 11 Strong blue clay 0 5 0	Brought forward 6 5 11 Tumbling stone 0 0 9 Blue clay 0 5 0 Tumbling stone 0 1 5 Blue clay 1 1 11  ———————————————————————
Carried forward 6 5 11	Total *9 3 0

<sup>\*</sup> Approximate sea level 118 feet below this.

#### No. 957.—GORDON GILL.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 38' 9", Long. 1° 46' 36".

Sunk in the Providence Pit, at Gordon Gill. 1834.

Approximate surface level 500 feet above sea (Ordnance datum).

Blue clay Loose gravel Strong brown clay	0	0	0	Brought forward Strong stony gravel Yellow metal	6	0	0
Carried forward	6	2	0	Carried forward	9	5	0

#### No. 957.—GORDON GILL.—CONTINUED.

Brough	forwa	rd		Ft. 1	In. :	Fs.	Ft.	In.	Brought forward 1 1 10 20 1 8
Blue metal			3	1	3				Blue and grey metal 2 5 6
Black metal			0	4	0				COAL 0 0 6
COAL			0	-	2				- 4 1 10
		***	_	-		13	4	5	mi 111
Thill			4	2		10	4	0	
	***		0	-	6				
White post	244		0		2				Grey beds 0 4 10
Grey metal	***		2	5	0				White post 1 0 0
White post	***		0	1	0				Grey beds 1 3 2
Coal metal	***	***	0	5	4				White post 0 5 2
COAL-5/			0	3 1	11				Grey metal 0 2 5
		***	_	~		6	0	11	Coal metal 1 0 6
Thill			0	1	2	0	0	11	Main Coal Seam—
	775	***							The state of the s
COAL	***	***	0	1	2	-	-		Ft. In.
			-		-	0	2	4	COAL, cannel 0 10
Thill			0	4 ]	10				COAL 5 10
White post			0	3	0				- 1 0 8
									7 5 6
					_				
Carried	forwar	-A	1	1.1	10	20	1	8	Total 32 3 0
Carrieu	TOT WALL	· CL	-		10	20	1	0	Total 32 3 0

#### No. 958.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Account of a Boring in the North Pit, at Haddrick's Mill. 1738.

The second second	Fs.	Ft.	In.	Fs.	Ft.	In.					Fa.		
In catheady metal and	-		-				Brought forward	5	4	0	5	3	0
foul coal	0	3	0				Black slaty metal,			-			
Grey and blue metal,							mixed with coal						
with some small gir-						111	COAL and water	0	0	10			
dles and catheads,								-	_	-	5	5	2
and a small seam of							Black slaty metal,						
coal at the bottom	5	0	0				mixed with coal	0	0	2			
	-			-	3	0	Grey and blue metal						
	_			5	0	U	stone, with catheads						
Grey and blue metal,							or girdles	0	4	6			
with catheads	2	3	0			30	White post, with grey		-	-			
White and grey post						0	partings and water		3	0			
girdles, with scamy							Grev and black me-	-	-	-			
partings and water,						3	tally stone	n	2	n			
which ran to the top							White and grey metal		-	0			
	9	5	0						9	0			
of the hole	2	U	0				stone		0	U			
Black and grey scamy			^				Grey and blue metal,		_	_			
metal	0	2	U				with catheads						
							Black metal	0	0	4			
Carried forward	5	4	0	5	3	0	Carried forward	7	0	0	11	2	5

#### No. 958.—GOSFORTH.—CONTINUED.

Brought forward	Fs.		In.			In.	Brought forward	Fs.	Ft.	In.	00	Ft.	In.
Yard Seam— COAL, with a small mix- Ft. In. ture of metal 0 10							Grey metal stone White and grey post, with some mixture of whin with scamy	0	3	0			
Black slaty							The state of the s	3	1	6			
metal, with a							Blue metal			0			
small mix- ture of coal 0 7							COAL		0	7	4	0	1
COAL, with							Grey metally stone	0	5	0	-	-	В
water 0 9							Blue metal	-	1				
	0	2	2				Black stone	0	4	6			
	_	_	_	7	2	2	COAL	0	0	2			
Black and grey metal,	0	0	4				Black stone Grey metal stone, with	0	1	6			
with girdles or cat-							grey post girdles	4	0	0			
heads	1						0.71	_	-	-	6	0	1
OAL	0	0	6	1	1	10							
Carried for	var	d		20	0	2	Total .				30	0	1

#### No. 959.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 27", Long. 1° 36' 18".

Borings at South Gosforth in search of the Main Dyke.—First Hole about 250 yards N.E. by E. from Gosforth Church.

Soil		Ft.		Fs.	Ft.	In.	Brought forward				Fs. 13	Ft.	In.
Brownish clay, with							Blue grey metal and						
whin tumblers	0	2	0				metal —	0	5	3			
Blue stony clay	12	3	0				Ft. In.						
	-	-	-	13	0	0	COAL 0 8						
Blue grey metal, with metal stone girdles							Grey metal, mixed with						
near the bottom		4					coal 0 7						
Blue grey metal stone	0	2	3				_	0	1	3			
Strong white post	1	5	0					_		_	6	0	3
							In grey metal				0	0	9
Carried forward	4	5	9	13	0	0	Total				19	1	0

Approximate sea level 79 feet below this.

#### No. 960.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 28", Long. 1° 36' 18".

The second Hole bored at South Gosforth, 30 yards North from the first.

January 16th, 1817.

Approximate surface level 195 feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In.	Brought forward 12 1 0
Brown clay, with two	Rambly metal, mixed
thin beds of sand 0 3 0	with clay 1 1 0
Sand and gravel, with	Grey, brown, and green
water 0 2 0	scared post (and set
Blue stony clay 9 0 0	away the water at
Mixture sand and	14 fathoms 1 foot) 2 0 0
loamy clay 0 1 0	Grey metal 0 2 8
Strong stony clay 0 3 0	COAL 0 0 9
Sandy clay 1 3 0	Grey metal 0 0 9
	——————————————————————————————————————
Carried forward 12 1 0	Total *16 0 2

<sup>\*</sup> Approximate sea level 99 feet below this.

#### No. 961.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Long. 55 0' 29", "Lat. 1" 36' 18".

The third Hole bored at South Gosforth, 15 yards North from the second.

February 5th, 1817.

Soil Yellowish clay Sand, with water Strong stony clay	0 0	1 2	6		Ft.		Brought forward White post Grey metal COAL	0 0	Ft. 2 2 4 0	0 0			
0-1 -141	-		-	12	2	0		_	_	_	3	2	9
Sand, with scares of clay Brown and grey ram- bly scared post (and	0	2	0				In grey metal				0	0	9
set away water at 13 fathoms)	2	0	0				*						
Carried forward	2	2	0	12	2	0	Total			*	15	5	6

<sup>\*</sup> Approximate sea level 991 feet below this.

#### No. 962.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 55° 0' 30", Long. 1° 36' 18".

The fourth Hole bored at South Gosforth, 40 yards North from the third, February 17th, 1817.

Approximate surface level 192 feet above sea (Ordnance datum).

Soil Yellowish clay	0	1	0	Fs.	Ft.	In.	Brought forward 2 1 0 13 1 0 Grey metal, with scares
Sand, with water Strong stony clay	1	2	0				of red post 0 4 0 Grey metal stone, with
Grey metal	-		_	13	1	0	some small scares of
Red and grey metal, with a scare of coal		0	-38				Strong yellow and red
in middle	0	2	0				post 0 3 6 5 4 6
Brown, red, and yellow broken post, mixed with metal and clay and some scares of							
coal	1	4	8			-	
Carried forward	2	1	0	13	1	0	Total *18 5 6

<sup>\*</sup> Approximate sea level 781 feet below this.

#### No. 963.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long

Account of Boring in the Dean or Engine Pit, South Gosforth. 1817.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	In.	Fs.	Ft.	In.			Ft.			Ft. In.
Sunk to Thill of Main						Brought forward				33	1 6
Coal 28	0	0				Grey metal	0	2	0		
Sunk below High						Grey metal stone, with					
Main Coal 0	3	0				girdles	2	2	0		
Box 0						Dark grey metal, with			-		
Grey metal stone, with	-	0				scares of coal	0	2	0		
	Q	R				Strong white post,	-				
girdles 1	0	0					0	=	0		
Black slaty metal 0	2	0				with water	0	D	0		
Grey metal stone, with						Grey metal	1	1	6		
girdles 2	2	0				Grey metal Dark grey metal	0	1	0		
COAL - Metal Coal 0	1	6									
	_	_	33	1	6						
				-	_		_		_	_	
Carried forwar	d		33	1	6	Carried forward	5	3	0	33	1 6

#### NORTHUMBERLAND AND DURHAM.

### No. 963.—GOSFORTH.—CONTINUED.

	-	-		-	-	-	-1-2-6-6
Brought forward			In.			In. 6	Brought forward Fs. Ft. In. Fs. Ft. In. 58 3 4
COAL (probably	-						Grey metal, with
Stone Coal)	0	1	2				water 0 2 0
	-	-	-	5	4	2	Grey thready post,
Dark grey metal stone	0	0	6				mixed with whin
Grey metal stone, with	1	0	10				and much water 0 0 6
post girdles Dark grey and black	1	U	10				Grey metal stone, in- clining to post 2 3 6
metal	0	2	0				Strong white post,
Grev metal stone, with	Ť						mixed with whin,
post girdles	4	0	5				and whin girdles
Grey metal, with iron-							near the bottom 3 1 2
stone girdles	1	0	0				Whin 1 0 0
COAL, with water at	-						Strong white post,
top	0	U	9				with whin girdles 5 4 0
Black and dark grey metal, scared with							Dark grey metal stone, with girdles 1 2 0
coal	0	0	11				Bluish whiteand white
COAL		0					post, with some whin
		- 6		6	5	9	girdles 2 4 3
71	-	-	10	Ö	0	9	Dark grey metal stone 0 1 6
Blue metal	0	2	10				Black metal 0 0 8
Grey metal stone,							COAL, with
with post and whin girdles	2	1	0				water (rather
Black metal, mixed		-	-				tender and splinty near
with coal	0	0	6				the top) 2 7
Strong white post,							Hard band 0 1
with water		0					COAL, with a
Grey post, with water		1	6				hard lump in
Strong white post,			_				the middle 0 6
with whin							- 0 3 2
Grey metal stone Black metal, scared	1	0	4				
with coal		0	2				Grey post, scared with
COAL, with water	0	- 2	-				coat 0 0 2   Strong white post 1 5 3
				5	5	4	Whin, with partings
****							of post 1 0 0
White post, with	0		11				Strong grey metal
water Blue metal	0		0				stone, with whin
Black and dark grey		-					girdles 2 4 6
metal and water		2	6				Low Main Seam—
Blue metal, with water							der and coarse near
(which rose to the							the top, with water
top)	1	. (	10				andalittle sulphur,
Grey and white post							and burns to white
with beds of metal stone and water		0	0				ash 0 4 5
Grey metal, with iron-							- 6 2 4
stone balls	0	4	. 0		-		Grey metal, mixed
Bensham Seam-							with coal 0 0 3
COAL, with Ft. In	1.						COAL, coarse, with
water 1 8	,						bands 0 1 0
Hard blue							COAL 0 0 9
COAL 0							Grey metal 0 1 1
COAL, coarse							COAL, with water 0 1 0
slaty 0 1	1						of metal 0 2 2
-	- (	) 5	2 4				Blue metal 0 0 2
	-			. (	5	4 7	White post 0 2 8
				-		-	
Carried forward				58	3	3 4	Carried forward 1 3 1 82 4 5

#### No. 963.—GOSFORTH.—CONTINUED.

Brought forward Softish blue metal Black slaty stone COAL, foul, with sulphur	0 1 0 0 6	Brought forward 1 5 2 82 4 5 Grey metal 0 0 4 Dark grey metal stone 0 4 7
Carried forward	1 5 2 82 4 5 Sunk Bored Total	Fs. Ft. In. 28 0 0

#### No. 964.—GOSFORTH.

TOWNSHIP OF SOUTH GOSPORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 36", Long. 1° 36' 3".

Account of Hole bored at Gosforth Colliery, on the South side of the Ouseburn, 100 yards East of Salter's Bridge. April 11th, 1820.

0-11	Fs. Ft. In. Fs. Ft. In. 0 1 6	Brought forward	Fs. Ft. In. Fs. Ft. In. 29 4 84
Consultant mater	0 1 6	771.:111	0 1 2
Diag alas	9 2 0	Donat	0 1 7
Burnt kind of red.	0 = 0	Whin	0 1 11
green, and grey soft		Donk	0 4 4
Parameter State St	2 3 0	Discount I	0 3 6
DI	0 1 1	Dlask stone	0 0 4
Whaten seed that I all	0 1 5	779.233	0 0 10
COAL—3/4 Seam	12 4 6	Discounted	2 3 2
Thill		Whin	0 0 6
Diam model	0 4 8 1 3 1	Dlag model	0 0 4
The state of the s	0 3 6		0 0 3
701		White post	
TOTAL PROPERTY AND THE PARTY OF	D D D	Black metal	
cared book in	0 1 8	Post	
Brown post (water set	0 1 0	Blue metal	$0 \ 5 \ 1\frac{1}{2}$
	2 4 0	Whin	0 1 2
Course Posses 111	0 3 8	Black stone	0 1 6
The state of the s	1 1 9	Blue metal ,	1 1 0
Pune in	1 2 8	Black stone	0 1 0
COAL	0 0 6	Thill	0 1 1
	10 2 9	Blue metal	0 3 8
	0 0 8	Grey metal	0 2 4
Blue metal	1 2 8	Post, with water	1 1 9
Char motel most	0 1 5	Blue metal	0 0 41
Grey metar post }	1 4 8	Post girdle	0 0 9
Blue metal	0 3 0	Grey metal	0 2 5
	0 0 9	Post	0 2 8
	0 4 7	Grey metal	1 1 4
	0 1 8	Blue metal	1 2 3
	0 0 11	Post	0 4 8
	0 0 11	In grey metal	2 2 5
meaning and the contract of th	1 0 5		
A 576 111 111	0 0 4		11 1 02
The state of the s	0 0 3		
	- 6 3 51		
Carried forw	vard 29 4 81	Total	47 0 2
Carron ava			

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 965.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 36' 7".

Boring in a Quarry, near Gosforth New Winning, to let the water down into the Main Coal Waste. Begun July 8th, and finished November 26th, 1824.

Approximate surface level feet above sea (Ordnance datum).

Post COAL-3/4		***	F8. 1 0	4	In. 0 0				Brought forward 10 5 11 2 0 0 70-Fathom Post—
Soft grey me			6	4	0	2	0	0	Brown post 3 2 0   White post 2 5 0
Black stone			0		0				Black stone 3 0 0
Brown post			0		0				Post-Main Post 7 1 94
			0		0				
	121	4.8	0	2	6				COAL-High Main
	***		1		3				Waste.
Whin		***	0	1	2	_		-	The state of the s
Carried :	forwar	d	10	5	11	2	0	0	Total 29 2 84

The Main Post was so hard here that 60 shifts (of 12 hours) were employed in passing through it; the greatest length bored in one shift was 23 inches, the least 2½ to 3, and the average was 9 inches per shift. The chisels were generally changed at the end of each inch.

#### No. 966.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Strata sunk through in the Mary Pit, up to the time when abandoned on October 22nd, 1824. Begun August 24th, 1824.

Soil			In. Fs. Ft. In.	Brough		ard				Fa.	Ft.	In.
Blue stony clay	11	4	0	Blue metal	***		0					
Soft blue metal stone				COAL			0					
Broken reddish post		5	1	Thill			0			14	5	10
and water		5	0	In post			2	1	4	_		
							_			2	4	10
Carried forward	14	3	1		Total					17	4	8
				,					-	L		

#### No. 967.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

Long

Gosforth New Winning.—Strata sunk through in the Fanny Pit up to the time when abandoned, November 13th, 1824, on account of the enormous quantity of water.

Approximate surface level

feet above sea (Ordnance datum).

Soil Stony clay			0	1		Brough Strong post		16		In.	Fs.	Ft.	In.
Blue metal Blue metal girdles	***	144	2	2	0	COAL	***	2		9	18	4	- 9
girdles	***	449	1	4	0.	Grey thill Blue metal	***	0 2		3	10	*	0
			_	_	_			-	-	-	3	2	1
Carried	forwa	rd	16	0	6		Total		114	-	22	0	4

#### No. 968.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 29", Long. 1° 36' 6".

Account of Strata sunk through at East Pit, Gosforth Colliery. 1827.

Approximate surface level 158 feet above sea (Ordnance datum).

Brown stony cla	IV.		Ft.		Fs.	Ft.	In.		18.	Ft.		Fa. 19		
Grey seggar c			-	10					ô	õ	6	10		r
thill		0	4	0					1	0	8			
Grev metal				-				C	ō		9			
mixed with								Black stone			8			
	0. 4	a	1	0						0	0			
post				0				COAL	0.	U	4			
Black metal				-					0	0	8.			
COAL	144	0	0	9	10	12	-		0	0	8			
rm				_	12	4	1		7	4	8			
Thill, scared								Post in baulks, being						
black stone	at bot-	-	-	-				High Main Waste	0	4	0			
tom		1	1	0				-	-	-		15	0	8
Grey metal ston			-					Thill	0	0	6			
post girdles		1		10				COAL, coarse—						
Brown post		2	2	10				Ground Coal	0	2	3			
Grey metal, with								_			_	0	2	9
post girdles		1	0	6				Thill	0	3	0			
Blue metal		0	2	1				Grey metal stone, with						
COAL	***	0	0	6				water	4	0	10			
		-	-	-	7	0	9		0	-				
Thill	***	0	2	1					œ.,	5	-			
Grey metal stor	ne	0	3	2						1				
Grey scamy pos	t	0	3	6				-	_	_	_	5	4	10
Carried for	hand	1	2	9	19	5	-	Carried forward	,			41	1	77

#### No. 968.—GOSFORTH.—CONTINUED.

	_		_	_	-			_	-		_		-
Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Describt Command	Fs.	Ft.			Ft.	In.
OUR 162	0	2	3	41	-	'	Brought forward Thill	0	1	6	64	4	9
Thill Grey metal	0	2	0				Grey post, with black	0	+	0			
	0	-	0				metal	14	1	0			
Grey scamy post, with	1	1	4					14	1	u			
Black metal, with a	*	*	*				Dark grey metal, with	5	0	5			
little water at bot-							post girdles Black metal	0	0	2			
tom	1	3	2				*Five-Quarter Seam-			-			
Grey post, with a little	*		-				Ft. In.						
water at bottom	0	2	4				COAL 1 0						
Black metal	0	0	5				Grey metal 0 11						
COAL -Stone Coal	0	1	4				COAL 1 0						
	_	-	_	4	0	10		0	2	2			
Thill	0	0	8					_		_	20	1	3
Thill Dark grey post	0	3	4				Grey metal stone and					9	-
Black metal	0	0	6				post girdles	3	0	3			
White post	1	-3	4				COAL, coarse slaty	0	0	-			
Mixture of black metal							Grey metal stone, with						
and coal	0	0	2				post girdles	8	2	10			
Grev metal	0	1	1				post girdles Black metal	0	1	5			
White post	0	2	10				COAL, very tender-						
Grey metal and metal							Low Main	0	0	8			
stone	2	5	4					_	_		11	5	10
Black metal	0	0	4				Grey metal stone	5	4	9			
COAL	0	0	10										
Grey metal	0	1	0				Greenish post, very	15	0	10			
Thill	0	0	5				Blue metal, with dark						
Thill	0	1	10				post	0	0	6			
Dark grey post, mixed							White post	3	4	10	h.		
with blue metal	1	4	0				Blue metal	1	3	1			
Strong white post,							COAL	0	0	2			
with a little water	3	2	7				Blue and black metal	0	3	9			
Yard Seam- Ft. In.							COAL	0	0	3			
COAL, coarse 1 3							Slaty blue metal	0	2	0			
Hard grey							Post girdles, with metal			- 2			
metal 1 0							partings	1	2	2			
COAL, coarse 0 10		-					Blue metal	0	4	0			
	0	3	2				COAL - Beaumont	-					
	-	-	-	12	1	5	Seam	0	1	10	00		
Stone, seared with post			9				D1	-		_	29	4	2
Black metal	0	3	8				Blue metal, with thin	-					
COAL, slaty	0	0	2				girdles	1	0	3			
Thill	0	0	8				White post	0	0	11			
Grey metal stone	0	3	10										
Grey metal and grey							Blue metal stone	0	9	6			
post girdles, with	0	9	ō.				White post	1	1	2			
ironstone bands	2	3	2				Blue metal stone		1	-			
Grey metal stone, with	-		2				COAL	0	U	3			
balls of ironstone	1	5	-				Soft grey post, with	2	2	8			
Bensham Seam-							metal layers Hard white post	1					
COAL TE. In.							COAL years soft and	1	-	0			
COAL 1 8							COAL, very soft and	0	1	1			
Black slate, mixed with							Thilly grey metal						
							COAL	0	0	8			
coal and							Dark grey metal stone	2	3	0			
water 0 2 COAL 0 8							White post	1	5	9			
OOAL 0 8	0	2	6				COAL	ō		2			
	-	-	0	7	0	11		-	0	-			
				-	0	-		-			_		
Carried forw	ard			64	4	9	Carried forward	13	1	6	126	4	0
Chilled forw	ard.			02	-		Carried for ward		-	9			-

<sup>\*</sup> Proved afterwards to be the Low Main Seam .- S. C. CRONE.

#### No. 968.—GOSFORTH.—CONTINUED.

Brought forward			In. Fs. 6 126			Brought forward	Fs.				5 0g
Thill	0	2	7	-		Grev metal	0	2	2		
COAL, very coarse		-				COAL	0				
and slaty	0	0	5			Grey metal	0	3	9		
Blue metal stone		4				COAL	0	0	7		
COAL—Denton Low	-	-					1	0	9		
Main	0	2	8			Brockwell Seam-	-				
112 1170	_	_	15	5	8	Ft. In.					
Thill	1		11	-	-	COAL 111					
COAL, very coarse			51			Brown band 0 8					
Grey metal stone, with	-	-	0.0			COAL 1 5					
post girdles near the						OOAL 1 0	0	4	0		
bottom	-	0	91				-	-	-	6	3 10₺
COAL	-	0	1			Grey metal	0	5	11		0 101
Grey metal stone, with	-					COAL			31		
post girdles		0	5			Grey metal					
COAL		1				White post	7	9	Q		
Grey metal stone		0				Blue metal	6	9	0		
		5							3		
Hard white post	-	3	2				U	1	0		
Dark blue metal	-	0	2			Blue and grey metal					
Grey shivery post, with			4			stone, with post gir-					
metal partings	1	0 2	4			dles	2	2	3		
Dark blue metal	-	2	6			White post, with whin					
Probable Denton Low						Blue metal	0	5	0		
Main Seam-						COAL Sole of Main	-				
Ft. In						Drift	0	0			
COAL 1 5						w	-		-	19	0 3
Brown band 0 2						Hard blue metal stone			10		
COAL 0 7			oi.			and post girdles			10		
	0	2	21/2		.1	White post	3	3			
	_	-	13	1	45	COAL	0	0			
Grey metal stone						Soft brown metal		0			
COAL		0	-			COAL	0		8		
Grey metal	-		61			Black slaty metal		0	3		
COAL		0	3			Grey metal stone			9		
Grey shivery post, with		2				Grey post		0			
	1		4			In grey metal stone	1	0	9	-	4 1
Grey metal		3	6				-	-	_	7	3 9
COAL	0	0	1								
Carried forward	- 3	3	111 15	5 5	01	Total		***	1	89	0 11
Carried for ward	9	0	112 10	-	02	Total			=	-	

#### No. 969.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0′ 29", Long. 1° 36′ 7".

Account of Strata sunk through at West Pit, Gosforth Colliery. 1827.

Brown stony clay	7	1 4	Fs. Ft. In.  Brought forward Grey metal stone	7	Ft.	In.	Fs. 1	Ft. In	in.
Grey seggar clay or thill	0	4 0	mixed with grey pos	2	5	7			
Carried forward	7	5 4	Carried forward	10	4	11			

#### No. 969.—GOSFORTH.—CONTINUED.

Brought forward	10	Ft.		Fs.	Ft.	In.	Brought forward					Ft. 1	
Black metal	0	3					White post	0		10	1		
COAL	0	0	11				Grey metal and metal						
Thill, scared with								2	5	9			
black stone at bot-							Black metal	0	0	4			
tom	1	3	9				COAL	0	0	10			
Grey metal stone, with	13	100	7				Grey metal	0	0	11			
with post girdles	1	5	1				COAL	0	0	5			
Brown post	2	2	7				Thill	0	9	0			
Grey metal, with scamy		-	8				Dark grey post, mixed		-				
nost civillas	1	9	0				with blue metal	1	3	5			
post girdles Blue metal	ô	2	1				Strong white post,		~				
COAL	õ	õ	1				with a little water	3	3	4			
	ő	9	1				Yard Seam- Ft. In.	0		-			
	0	9	1				COAL coarse 1 3						
Grey metal stone	0	9	à				COAL, coarse 1 3						
Disab motel	0	0	6				Hard grey metal 1 0						
Grey scamy post Black metal Grey post Grey shivery post	0	5	10										
Grey post	0	0	10				COAL, coarse 0 11	0	3	2			
Grey shivery post	0	0	11					0	0	2	10	6	6
Black stone	0	0	LL				Stone con a mist	n	-	0	12	2	4
COAL	0	1	0				Stone, scared with post	0		9			
Thill (Main)	0	1	0				Black metal	0	3	8			
Post-Main Post	10	1	0				Thill	0	0	3			
	17	3	5			-	Thill	0	0	0			
Post in baulks, being							Grey metal stone	0	3	10			
High Main Waste	-0	4	0				Grey metal and grey						
The same of the sa	-	_		34	3	5	post girdles, with			-			
Thill	0	0	6				ironstone bands	2	4	2			
COAL, coarse -							Grey metal stone, with						
Ground Coal	0	2	3				balls of ironstone	1	4	1			
	_		_	0	2	9	Bensham Seam-						
Thill	0	3	0	-	-	-	Ft. In						
Grey metal stone, with	~	-	~				COAL 1 8						
water	4	1	7				Black slate,						
water Black metal	o.	ô					mixed with						
Grov motal	0	4	7				coal and						
COAL - Metal Coal	0	1	5				water 0 2						
OOAL - Metat Coat		-		5	5	0	COAL 0 8						
Picti	Ó	2	2		0	0		0	2	6			
Thill Grey metal	0	2	0						_	_	7	0	11
Grey metal	U	2	U					-				-	
Grey scamy post, with	-		0				Thill	0	1	11			
water	1	0	6				Grey post, with black						
Black metal, with a							metal	13	0	10			
little water at bot-		-					Dark grey metal, with	-	-				
tom	1	3	6				post girdles Black metal	6	1	11			
Grey post, with a little	-						Black metal	0	0	2			
water at bottom	0	2	- 2				+Five-Quarter Seam-						
Black metal		0	8				Ft. In.						
COAL - Stone Coal	0	1	5		-	-	COAL 1 0	-					
and the second	-	-	-	4	1	1	Grey metal 0 1						
Thill			9				Grey metal 0 1						
Dark grey post	0	4							2	0			
	0	0	7					0	-	2			
Black metal	7	2	7					-	-	-	20	1	0
Black metal White post	1		100				Grey metal stone and						
Black metal White post	1												
Black metal White post Mixture of black metal		0	3					3	0	3			
Black metal White post Mixture of black metal and coal	0						post girdles		0				
Black metal White post Mixture of black metal	0							3					

Approximate sea level (Ordnance datum).

<sup>†</sup> Proved afterwards to be the Low Main Seam .- S. C. CRONE.

### No. 969.—GOSFORTH.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. 3 0 11 84	In. Brought forwar	Fs. Ft. In. Fs. Ft. In.
Grey metal stone. with		Grey metal stone, wit	
	8 2 2	post girdles .	1 0 11
post girdles Black metal	0 2 1		. 0 1 2
COAL, very tender	2 2 3	Grey metal stone	
COAL, very tender Low Main Seam	0 0 8		. 4 0 6
		Dank blue metal	. 0 3 51
		Grey shivery pos	
Grey metal stone	5 2 6	with metal parting	
Greenish post, very		Dark blue metal	
hard	15 3 1		
Blue metal, with dark		Probable Denton Lo	10
post	0 0 6	Main Seam-	
White post	3 1 7	Ft. 1	n.
Blue metal		COAL 1	5
COAL	0 0 1	Brown band 0	
	0 3 10	COAL 0	7
COAL		_	- 0 2 21
Slaty blue metal	0 1 10		The state of the s
Post girdles, with me-			
tal partings	0 5 11	Grey metal stone .	. 0 5 10
Blue metal	0 4 0	0001	. 0 0 1
COAL - Beaumont	0 1 0		. 0 3 10
Seam	0 1 5		. 0 0 3
		Grev shivery pos	
	29 0	5 with metal parting	
Blue metal, with thin		Grey metal	
girdles	0 5 5	COAL	. 0 0 1
White post	1 3 8	Grey metal	. 0 2 2
COAL	0 0 11	COAL	. 0 0 8
	0 4 6	Grey metal	0 3 34
	0 2 5		. 0 0 7
Blue metal stone	1 0 51	Dark grey metal ston	
COAL	0 0 31	Brockwell Seam-	
Soft grey post, with	0 0 03	The state of the s	
	2 2 6	COAL 2	1.
Hard white post	1 2 11	Brown band 0	61
COAL, very soft and	1 2 11		
The second secon	0 1 0	COAL 1	*1
Thilly grey metal	0 1 6	_	- 0 4 0
COAL			- 6 1 11
	2 3 0		
	2 0 3	Grey metal	. 0 4 111
White post			. 0 0 31
COAL	0 2 8		. 0 2 1
COAL, very coarse	0 2 0		. 7 3 1
coal, very coarse	0 0 51	Blue metal	. 0 2 1
and slaky	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	COAL	. 0 1 3
Blue metal stone	1 0 0	Blue and grey meta	
COAL—Denton Low	0 9 9	stone, with pos	
Main Seam	0 2 8	girdles	
	16 3	0 White post, with whi	
Thill	1 2 101	Blue metal	. 1 0 0
COAL, very coarse	0 0 5	COAL—Sole of Man	n
	0 0 02	Drift	. 0 0 3
Grey metal stone, with		Hard blue metal ston	
post girdles near the	1 0 5	and post girdles	
bottom	1 0 5		
COAL	0 0 1		20 3 5
		-	12-2-2
Carried forward	9 9 10 149 1	7 Total .	182 3 1
	~ 0 IU 192 1	LUGIL .	182 3 1

#### No. 970.—GRANGE.

#### TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. About Lat. 54° 46′ 0″, Long. 1° 32′ 2″.

Strata bored through near Woodwell House, Grange Estate. June 3rd, 1842.

Approximate surface level about 235 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Sand 1 5 0	Fs. Ft. In. Fs. Ft. In. Brought forward 5 3 10 16 0 1
Freestone 2 3 10 Grey metal 1 2 0	Grey metal 3 3 8 4 COAL, foul 0 4 5
Grey metal 0 1 8 6 0 1	Black stone 0 1 0 Soft blue metal 3 2 9
Grey post 1 1 4	3 3 9
Carried forward 5 3 10 6 0 1	Total 19 3 10

### No. 971.—GRANGE.

#### TOWNSHIP OF ST. GILES, DUBHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

# No. 2 Hole.—Strata bored through in the Lane Field, on the Grange Estate, by William Coulson. 1842.

• • • • • • • • • • • • • • • • • • • •	P.	Tre.	In	17-	Ft.	In	Fa. Ft. In. Fa. Ft. In.
Soil		î		E	20.	ш.	Brought forward 5 0 10 7 5 0
	Ŏ						Grey metal, with post
Brown clay							girdles 1 2 0
	3						Strong white post 1 0 0
Sand	ŏ	2	Ř				Post, with metal part-
Loamy clay	ĭ	ī	4				ings 2 1 7
Blue clay	õ	5	ō.				Grey metal 0 3 8
	_			7	5	0	Strong post, with
Grey metal	0	8	5	•	_	•	water 3 3 8
Strong white post,	•	•	•				Black stone 0 0 9
with water	2	1	R				COAL - Low Main 0 1 4
Grey metal							14 1 10
Grey post							11 1 20
White post, with water	ĭ		7				
·· mic pood, ·· ion water			<u>.</u>				<u></u>
Carried forward	5	0	10	7	5	0	Carried forward 22 0 10

#### No. 971.—GRANGE.—CONTINUED.

Brought forward	Fs.	Ft.		Fs. 22			Brought forward	2	3	2	Fs. 26		
Grey metal, with post		•	0				Grey metal	0		6			
girdles White post, with water							COAL	0	0	0	2	5	0
Grey metal, with post	U	0	0				Grey metal	2	1	9	-	0	0
girdles	9	1	3				White post	ĩ	ô	5			
Dark grey metal							White post Dark grey metal	3	0	4			
COAL - Splint Coal			0				Ft. In	15	7	T			
	_	_	_	4	4	2	COAL 3 10						
Dark grey metal	0	2	0				COAL, bottom 0 8						
Dark grey metal, with							_	0	4	6			
post girdles	2	0	2					_	_	-	7	0	6
post girdles	0	1	0				Into grey metal				0	4	6
	-	-	-	=	-	-					-		
Carried forward	2	3	2	26	5	0	Total		***	2	37	3	0

#### No. 972.—GRANGE.

#### TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47′ 44″, Long. 1° 31′ 44″.

Strata sunk through in the Grange New Winning. 1844.

Approximate surface level 245 feet above sea (Ordnance datum).

0.11				Fs.	Ft.	In.	D 110 1				Fs.		In
Soil							Brought forward	2	0	1	28	5	C
	1	0	0				Grey metal, with post	. 20	_	-			
White and brown free-							girdles COAL—Brass Thill	3	0	7			
stone, with partings	0	0	0					0					
and water							Seam	U	1	4			
Grey metal Black metal	0	Z	0				D1 1 1	_	-	_	5	2	U
		0	3				Black metal	0	0	3			
Dark grey metal		3 5	0				Grey metal, with post	-		-			
Strong grey metal	1	5	0				girdles	1					
Strong grey metal,								0	0.	10			
with post girdles	1	3	0				Dark grey metal, mixed						
Strong grey post, with							with post	0	2	2			
water Grev metal	1	1	0				COAL	0	0	8			
Grey metal	0	1	3				Strong grey metal,						
Brown freestone, with							with post girdles						
metal partings	10	1	8				and water	2	4	4			
Strong grey metal		1	0				Strong white post,						
Strong grey post, with			170				mixed with whin	0	4	3			
water	4	0	0				Strong dark grey me-			4			
Strong grey metal			0				tal, with post girdles	1	_			_	
Black stone or metal	ô	0	9				and water	(1	3	9			-
COAL - Low Main	0	3	3				Hutton Seam- Ft. In.	,					
OOAL - Low Main	U	0	0	28	5	0	COAL 4 0						
Saft anaw matal	0	0	6	20	0	0	COAL, bottom 1 3						
Soft grey metal	0	0	0				JOAL, Bottom 1 3	0	5	9			
Grey metal, with post	0	0	-					0	0	0	9	-	0
girdles	0	3	1					-			9	1	U
Strong white post,													
with water	1	2	0			_ 1					_	-	
Carried forward	9	0	1	28	5	0	Total				42	9	0

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 973.—GRANGE.

#### TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

Strata bored below the Hutton Seam. at about 76 yards N. 57\\ 20 W. from Coal-drawing Shaft, at Low Grange Colliery. 1862.

Approximate surface level feet above sea (Ordnance datum).

Fa. Ft. In. F	a Ft. I	n.	Brough		1				Fs. 21	Ft. 5	In. 8
		- }				_	5	1	21	J	0
ton Seam, a scaffold and iron pipe 1 0 0			White post		•••		_	10			
and stone page		i	COAL	•••	•••	0	T	10			
Grey metal 5 3 11		i				_			21	3	2
White post 0 2 0		1	Cham matal			1	3	0			
Grey metal 0 4 0		i	Grey metal			2					
White post, with water 2 1 0		- 1	Post	•••	•••	Z	1	9			
Grey post 1 2 0			COAL	•••		0	1	7			
White post 1 2 6		i							3	5	3
Giev post 2 1 6		:				^	•	_			
Dark metal 0 0 6			Dark metal	•••	•••	0	1	5			
Grey metal, with post		- 1	Post	•••	•••	7 2	Ť	b			
girdles 1 3 0		1	Grey metal	• • •	•••	z	4	ō			
Black metal 0 1 9		1	COAL	•••	•••	0	1	2			
White post 1 5 4		. !							10	2	1
Grey metal, with post											
girdles 2 5 10			Grey metal,		nr-	_		_			
Black metal 0 0 8			dles	•••	•••						
2202 2202 111		- 1	COAL	•••		0	3	1			
COAL (supposed									6	1	7
Harvey Seam) 0 1 8		ì	<b>~</b>			^		^	-		·
<u></u>	21 5	8	Grey metal		• • •		2	0			
Soft metal 0 0 3			White post		•••						
			COAL			0	0	6			
Metal stone, with post									1	2	0
									_	_	-
Strong grey and white			Into grey	post, w	ith				_	_	
post 2 4 6			metal par	tings					3	1	G
Strong grey metal											
stone, inclining to				•							
post 2 2 6											
		_		Total					67	3	3
Carried forward 16 2 3 2	21 5	8		A	•••		•••	:			÷

An Account of Strata bored through from Ilutton Seam, 140 yards West of Shaft, Grange Colliery, at one of the Staples from Low Main.

Exactly the same as last section.

### No. 974.—GREENCROFT.

### TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnauce Map. Lat. 54° 50' 15", Long. 1° 44' 0".

Account of Borehole No. 1 on Greencroft Common, as taken from Thomas Hall and others.

Approximate surface level 685 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Clay	Fa Ft In Fa Ft In Fa Ft In Brought forward 24 4 8   Black stone
Carried forward 24 4 8	Total *25 3 2

<sup>\*</sup> Approximate sea level 533 feet below this.

#### No. 975.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50′ 17", Long. 1° 43′ 58".

Borehole No. 2 on Greencroft Common.

Clay Blue stone COAL COAL, mix	  .ed wi	 th bras	  .s, but	  not thr	  rough	 Fs. 3 5 0 0	Ft. 3 1 1 0	Fs. 9	Ft.	In.	
	To	otal	•••	•••			·••	<del>-</del> 9	0	-6	

<sup>\*</sup> Approximate sea level 650} feet below this.

#### NORTHUMBERLAND AND DURHAM.

### No. 976.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 20", Long. 1° 43' 55".

Borehole No. 3 on Greencroft Common.

Approximate surface level 725 feet above sea (Ordnance datum).

Clay Blue stone		***	3	5			Brough met					Ft.	In. 8	Fa.	Ft.	In.
Black stone Blue stone		***	0	2 5	4		h coal			ea	-	2 4	0 2			
COAL	····		0	4	0			Tot	-1		_	_	-	10	_	10
Carried	Iorwa	ra	9	4	0	1 1 000						***	=	10	4	10

<sup>\*</sup> Approximate sea level 660 feet below this.

#### No. 977.-GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50′ 22", Long. 1° 43′ 52".

Borehole No. 4 on Greencroft Common.

Approximate surface level 740 feet above sea (Ordnance datum).

Clay Sand Blue stone				***	 	3	3 0 3 0 0 0		Ft.	In.	
Left off (a	Tot	C.	***	444	 149-			*11	0	0	

Approximate sea level 674 feet below this.

#### No. 978.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 32", Long. 1° 43' 48".

Borehole No. 5 on Greencroft Common.

Clay and reddish stone 1 0 9 Freestone 3 3 0 COAL 0 3 2 5 0 11	Fs. Ft. In. Fs. Ft. In.  Brought forward. 5 0 11  Soft thill 0 3 0
Carried forward 5 0 11	Carried forward 373355341A

### No. 978.—GREENCROFT.—CONTINUED.

Blue stone, girdles	***		0 15 1	3	0				Brought forward Black metal, mixed with coal COAL White thill	0 0	-	In. 8 0 8	Fs. 23	Pt. 1	In. 6
COAL	1151	***	-	0	_	18	0	7	white thin	_	0	_	1	1	4
Carried	forwar	rd				23	1	6	Total				24	2	10

<sup>\*</sup> Approximate sea level 638 feet below this.

### No. 979.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50′ 16", Long. 1° 43′ 56".

Borehole No. 6 on Greencroft Common.

Approximate surface level 700 feet above sea (Ordnance datum).

Clay and red gravel Wet sand	0	1 2	6 3	Blackish	ght forwa	ard	3 4	3 2	9		Ft.	In.
Blue clay	1	0	0	Thill	***	***	0	0		8	3	6
Carried forward	3	3	9		Total			***	-	*8	3	6

The seventh and eighth holes are in soft clay and quicksand, and could not be bored.

### LEVELLING.

By levelling from the Fifth Borehole at Ma to the Third Borehole, there appears to			Fs.	Ft.	In.		Ch.	L.
ground						distance	19	0
From the Third to the Second. a descent of		***	 3	1	6	***	5	10
From the Second to the Firs, a descent of		***	 3	2	0	"	3	40
From the First Hole to Quarry Pit, a descent	of	744	 14	2	0	13	5	40
Depth of Quarry Pit to 30-inch Coal	***	744	 8	1	0		-	
			39	0	6		32	90

<sup>\*</sup> Approximate sea level 6481 feet below this.

### OBSERVATIONS FROM THE FOREGOING LEVELLING.

						-	-	00	2	-30	2
The Divid Develope at No. 2 to to deat	1.					Fs.	Ft.	In.		Ft.	In.
The First Borehole at No. 1 is in dept		***	***		***		n	A	25	0	700
	***	***	***	400	111	14	2	0	w		3
Depth of Quarry Pit		444	144	19.44	***	8	1	0	77	-	1
						-		-	22	3	0
									-	700	
Dip of Col	liery			146					3	0	2
						T7-	***		-	774	
The Fifth Borchole at Maiden Law H	-					Fs.	Ft.	In.	24	Ft.	
			***		***	10	0	0	24	-	10
Bank level from Fifth to Third Hole		***	***	***	***	10	-	-70			
Depth of Third Hole	***	-10	1555	***	***	10	4	10		1	
						-		_	20	4	10
and the same of th									-		-
Dip of Col	liery	***	910		4.9.1				3	4	6
										=	-
						Tr.	774	To	170	Ft.	To
Depth of Third Borehole						.F.B.	Eu.	- Alli	10		10
Descent from Third to Second Hole		***	***		***	3	1	6	10		10
	***	***		***	***		0	6			
Depth of Second Hole		***	141	14.60	***	9	U	0	10		•
						-			12	2	0
44									-		_
Rise of Colliery from	i the	Second	to the	Third	Hole				1	3	2
									-		_
						Fa	174	In	Fa	Ft.	In
The Fifth Hole at Maiden Law House			1441			¥ 0.	200	***	24		10
Bank level from Fifth to Third Hole						10	0	0			
P		240	181	***	***	3	1	6			
	***	***		***	***	9	0	6			
Depth of Second Hole	1.44	2.53	***	***	100	9	0	0	00	6	0
						-			22	2	0
D. 00 W. 0									-	^	10
Dip of Colliery from	the	Second	to the	Fifth	Hole				2	0	10

### No. 980.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat.

, Long.

Strata bored through in the Greencroft Estate, near the Durham Hill Farm House. 1839.

Soil and clay Fs. Ft. In. Fs. 1	Ft. In.	Brought forward	Fs.	Ft.	In. Fs. Ft. In. 5 5 104
White metal 0 5 0		Grey post Blue metal, with coal	0	2	
Blue metal, with water $2$ 1 $8\frac{1}{2}$ Grey post 0 2 6		pipes		3	1
Blue metal 0 2 3 COAL—Fard Seam 0 0 9		Grey metal, with post girdles	4	2	$2\frac{1}{2}$
5	5 10월				
Carried forward 5	5 101	Carried forward	5	1	$6\frac{1}{2}$ 5 5 $10\frac{1}{2}$

### No. 980.—GREENCROFT.—CONTINUED.

Brought forward Grey post Soft grey post, with coal pipes	5 7	1 2	In Fa. 6½ 5 8			Brough COAL Dark blue n	netal		0	2	61	22		
White post	0	5	61		- 11	COME	***		_	_	_	2	3	44
Blue metal Ft. In.  COAL 3 0  COAL, foul 0 2  Dark metal 1 8		4	11			Grey metal Blue metal White post Blue metal	344		1 2 0 0	2				-
COAL 1 6	1	0							-	_	_	4	3	51
Black metal Dark blue metal	0	1	- 16	2	11/2	In coal	***	***				0	0	8
Carried forward	1	3	8 22	2	0		Total	222		***	=	29	3	6

#### No. 981.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 50′ 16", Long. 1° 46′ 25".

Account of a Boring in Esp Green Estate, near Farm House, in the South-east Corner of a Field called Ten Acres, Greencroft. November 20th, 1839.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In	Fs.	Ft	In
Sandy clay	-	0					Brought forward					1	0
	1	0	9				Blue metal, with gir-					777	
Sand	0	2	0				dles	2	0	9			
Ramble		3	0				White metal		4				
Soft grev post	0	3	0				Brown metal, scared						
Brown metal	0	4	0				with coal	0	1	0			
Brown and grey post	3	5	0				White and grey post						
White and brown post	1	3	6				Brown metal		3				
Grey metal	0	3	2				Blue metal, with gir-						
	_	_	_	13	1	0	dles	3	1	6			
COAL, soft	0	2	2				White and grey post		0	9			
Brown metal							Blue metal		5	0			
COAL							Into whin			6			
Brown and grey post	2	5	9					_	-	-	26	5	4
Carried forward	4	2	10	13	1	0	Total				40	0	4

#### No. 982.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 50′ 55", Long. 1° 45′ 31".

Account of the Strata sunk through at Greencroft Colliery. March 4th, 1840.

Approximate surface level 705 feet above sea (Ordnance datum).

Dark brown clay	1	3	0		In.	Brought forward	J. 194			26		In.
Grey freestone	-	4	0			Black stone	0	1	0		-	112
		0				Blue metal		2	7			
Grey metal		0				Brass Thill Seam on			-			
Black metal	0		6									
Grev metal, with iron-						the Wear- Ft. In.						
stone girdles	0	4	0									
Dark blue metal	0	5	6									
Grey post	0	4	0			COAL 1 8						
Grey metal	1	2	6				0	5	10			
Soft black metal stone	0	1	0							1	3	5
Strong post girdles	0	2	0			THE L. C.				*		
Grey metal	1	3	0			Black stone			0			
Grey post girdles	0	2 2 2	0			Grey post	0	3	0			
Grey metal stone	0	2	0			Blue metal and iron-		-				
COAL	0	2	2			stone girdles		1	0			
			_ 1	2 2	2	White post girdles	0	1	0			
and the state of t		-	- 1.		-	Blue metal parting	0	0	3			
Black stone	0	0	4			Grey post, with metal	-	-	_			
Grey metal	1	3	0			partings	1	2	0			
Dark metal, with coal						White post, with metal		-				
pipes	0	0	8			partings	0	5	0			
Grey metal	2	2	0			Strong grey post gir-						
Strong post	7	1	6			dles	-	1				
		5	0			White post ,		3				
Grey metal	0	3	0			Blue metal		1				
Low Main Seam on						White post girdles	0	1	5			
Wear, Hutton Seam						White post, with metal		-				
at Pontop- Ft. In.						partings	0	5	6			
COAL 3 3						Blue metal, with post	_					
Black stone 1 10						girdles	0	4	3			
COAL 1 8						COAL-Hutton Seam						
		-	01			on the Wear, Main			-			
	1	0	$9^{\frac{3}{2}}$			Coal at Pontop	0	4	2			
	-		- 1	3 4	31							
					-		_	_	_	7	5	94
Carried for	-wa	ba	9	6 0	51	Total				35	9	8

The Low Main Seam is of excellent quality, hard, and works large.

The Hutton Seam, 2 inches of clean coal, of very good quality, but rather tender.

\* Approximate sea level 4911 feet below this.

NOTE.—The Section of the Engine Pit varies very slightly from the above.

### No. 983.—GREENCROFT.

### TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Account of a Boring North and West of Durham Hill, Greencroft Colliery, for the Northern Coal Mining Company. September 19th, 1840.

Black stone	Fs.	Ft. In.	Fs.	Ft.	In.	Brought forward 11 1 24 10 5 84
0 04	0	1 0				Townstein 0 0 4
Grey post, with coal		1 0				Delent of the state of the stat
with the	0	4 6				Plan metal 0 0 0
Grey metal. with iron-		2 0				Curry mont 0 1 0
The state of the s	2	4 1				Dine metal 0 9 11
stone girdles	õ	0 6				Ditte metal 0 3 11
White post girdles	U	0 0				Ft. In.
Grey metal, with post	3	1 8				COAL 0 3
girdles						Band 0 3
Strong white post	0					COAL 1 6
Grey metal	0	1 6				Band 0 9
Strong brown post	0					- 0 2 9
girdle	0	3 9				
Grey metal	0	1 10				- 13 0 2
Brown post, with metal						Thill stone 0 1 9
partings	0	4 0				Strong white post,
Black stone	0	0 4				with metal partings 0 2 0
COAL	0	0 8	1	-	-	Strong brown post,
	-		9	3	9	with water 0 3 0
Blue metal	0	4 5				Whin girdle 0 0 8
Strong white post						Grey post 0 2 0
girdle	0	0 3				Character 1 1 1 101
Blue metal	0	2 2				Decrees next 0 5 101
COAL	0	1 1	1			CONTRACTOR OF THE PROPERTY OF
	_		1	11	113	A TOTAL PRINT THE TOTAL TO THE TOTAL PRINTERS AND THE TOTAL PRINTERS
Grey metal	0	0 3				0 7 0
Brown post	0	2 2	Į.			COAL
Yellow post	0	4 0				COAL 0 0 4
Grey post	0	5 3				Black stone 0 0 7
Blue metal	0	0 5	1			Brown stone 0 1 3
Classes march	0	2 0	2			COAL 0 0 6
Communication 1	0	0 7				- 5 1 8
	0	2 7				Character bases and 1 1 0
Dark post	1	2 3				Strong brown post 1 1 6
Grey post	0	2 2	1			Blue metal 0 3 4
White post			2			Grey metal, with post
Grey post	0					girdle 2 0 2
Dark metal	0	1 3			18	Grey metal 0 2 2
Grey metal	0	3 6				Black stone 0 1 10
Post girdle	0	0 6				Grey metal 0 3 0
Blue metal	0	4 9				Brown metal 0 1 9
Dark metal	0	1 0				Brown post, with metal
Black metal	0	2 6	7			girdles 0 5 0
White post	2	1 10	4			Grey post 1 0 2
Grey metal	0	1 0				Grey metal 0 0 8
Dark metal, with coal						COAL 0 0 6
pipes	0	1 8				2 - 1 - 1 - 1 - 1 - 1
Strong grey metal	1	1 0				7 2 1
Dark post	0	0 7				Grey metal 0 3 8
	-	-	7	3	01	0 116 1 0 0 0 0 0
Carried forward	11	1 2	1 10	5	84	Carried forward 0 3 8 36 3 8

## No. 983 .- GREENCROFT .- CONTINUED.

Brought forward	0	Ft.	In. 8	Fs. 36	Ft.	In. 8	Brought forward 3 5 4 36 3 8
Grey metal, with post girdles		0	0				COAL 1 7
Post girdle Dark brown metal,	0	1	0				Brown band 0 1 COAL 0 10
with coal pipes	0						COAL, foul 0 4
Strong grey metal Strong post girdles.							COAL, tender 0 4 Dark metal 0 3
with metal partings	0	3	0				COAL, slaty 0 4
Dark grey metal							<u> </u>
Carried forward	3	5	4	36	3	8	Total 41 0 9

## No. 984.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. About Lat. 54° 49' 56", Long. 1° 45' 16".

Greencroft Estate.—Boring by the side of the Lane leading to Leadgate, at New Houses Farm Buildings, a mile from Lanchester. Begun June 25th, 1863.

0.7						Fs.	Ft.	In.	D			Fs.	Ft.	In.		Ft.	
Soil	***	***	0	1	0				Brough						25	3	11
Gravel and	water	***	2	2	.0				Dark metal	and		4	- 3	12.			
Clay		14.5	3	3	0				girdles	***	***		3	9			
Sand	***	***	0	1	0				Post	199.	***	1	1	3			
Clay	***		1	1	0				Dark metal	LAW.	***	0	1	0			
Gravel and	water		1	0	0				COAL		***	0	0	7			
Clay			0	1	6										2	0	77
			_		_	8	3	6	Total Color						-	U	'
Metal			1	1	6				Metal			0	2	0			
Brown post			0	2	6				White post	***		2 2	0	6			
Metal			0	4	0				Dark metal			2	2	0			
Brown post			2	0	0				Grey metal			1	0	0			
COAL	***		0	0	8				Black metal	and s	scares						
		***	_	~	_	4	2	8	of coal			0	1	2			
Metal			1	5	6		-		Grey metal			1	4	6			
White post	***	***	0	2	6				White post			6	0	4			
Metal	***	***	1	3	10				COAL			C	0	10			
	444	***	0	1	3							-	~			-	
White post	***		1		0							-	-	-	13	5	4
Metal	***		7	4					Grey metal			4	4	6			
White post	***	**	5	4	0				White post								
Dark metal	***	****	0	4	6				girdles	***		6	0	4			
COAL-B	rockwe	11 (2)	0	2	2	-	_		Metal			1	4	0			
			_			12	3	9	and the						_		
	Carried	for	war	d		25	3	11	Carried	forw	ard	12	2	10	41	3	10
			-			-01											

### No. 984.—GREENCROFT.—CONTINUED.

Brought forward	0 3 5	0 0		
y metal	3 5	0		
grev metal (Dec.				
	2 5	2		
and parties and			29	2 4
			770	2 "
				-
Total	1000		71	0 2
		ith, 1863) 2 5		ith, 1863) 2 5 2 29

### No. 985.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. Lat.

, Long.

Greencroft Estate.—Boring in Fence Bank, by G. Rawling Stott. Begun December 22nd, 1863; left off September 21st, 1864.

Clay	Fs. 5	Ft. 1	n. O	Fs.	Ft.	In.	Brought	forv	vard	F8.	Ft.		Fs. 30	Ft.	In.
Metal	1		0				COAL			0	0	4	-	•	-
Brown and grey post	12	3	9				Metal	***		0	3	6			
Metal	0		6				COAL	***	***	0	0	7			
COAL 2 3							Metal			-	-	-	7	3	3
							Post and wh		***	2	1 2	6			
COAL, foul 0 4	0	2	7						1555	2 3	2	6			
	U	2		10		10	Grey metal		***		1				
DI 1 1 1 1	-	4		19	1	10	Post	***	***	7		6			
Black metal	1		0				Grey metal	***	***	1	3	0			
Grey metal	2		0				COAL	***	***	0	2	5	-	E	-
Black metal	0	1	6							-	_	-	17	0	11
COAL, strong	0	2	4	-			Dark metal	244	200	0	0	4			
	-		=	3	4	10	Grey metal		***	0	2	0			
Grey metal	0		0				Post			0	3	6			
Black metal	0		3				Metal	446.2		1	4	0			
COAL	0	0 1	0				COAL			0	0	4			
	_	_	-	0	4	1	Metal			1	1	0			
Grey metal and iron-							COAL			0	0	8			
stone girdles	4	0	0							_	-		3	5	10
Post	1	4	9				Metal		***	2	1	0	-	-	
Main Coal Seam-	-	-	-				Whin		***	ō	-	10			
Ft. In.							Metal			0	4	0			
COAL, good 3 10							Black metal		***	0	í	6			
COAL, slaty 0 3							Girdle	***		0	0	6			
CORE, staty o	0	4	1				Black metal	and	2021	0	1	0			
	0	*	-	6	0	10	Metal Metal			1	4	6			
C	~	4 1	0	0	2	10		***	***						
Grey metal	0	4 1	U				Grey post	***	***	3	4	4			
Grey post and a gullet		-					COAL	***		0	1	8	-		
at 6 feet	2	3	0				-			-		-	9	1	4
Metal	3	3	0				Hard grey	metal	and						
							coal	***	***	0	2	4			
Carried forward	6	4 1	0	30	1	7	Carried	forw	ard	0	2	4	68	0	11

## No. 985.—GREENCROFT.—CONTINUED.

Brough Grey metal a	t forwa	ard	0	2	4	Fs. 68	Ft.	In. 11	Brought forward Strong post	Fs. Ft 3 0 5 0	0			
COAL		***	0	2	10	1	3		COAL	0 1	5		-	0
Grey metal			1	4	6		0	6	In grey metal, with			0	1	9
Hard girdle				1					girdles			8	3	0
Grey metal			1	0	3									
Carried	forwar	d	3	0	0	69	4	5	Total	100		86	3	2

# No. 986.—GREENFIELD.

TOWNSHIP OF BARONY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38′ 47", Long. 1° 43′ 54".

Account of the Strata at Greenfield, near West Auckland.

Soil				Fs.	Ft.	In. 9	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 16	Ft.	In.
Clay				0	3	0				Sill	0	3	0			
-				_	_	_	0	4	9	Grev metal	1	2	3			
Diam makel				4	0	0				Metal stone	1	0	0			
Blue metal			•••	1	0	0				COAL	0	1	0			
Grey metal				1	3 2	0				March and the	_		_	3	0	3
Strong grey				0	1	0				Grev metal	2	1	0			
Blue metal	***		***	0						COAL	0	0	8			
COAL	***		***	0	0	9		-			<u> </u>			2	1	8
				_		_	3	0	9	Sill	0	2	0	100	13	100
Soil				0	1	6				Grey metal stone	1	4	6			
Grey metal	stone	2 13	nd							Strong grey post	0	1	9			
blue meta				1	1	6				Blue metal and metal	-		-			
Strong grey				1	0	0				stone	3	0	6			
Blue metal				0	5	0				Dark blue metal	1	5	6			
Black metal				0	3	0				Black metal stone	0	1	o			
COAL				0	3	0				Crow Coal— Ft. In.		*	-			
	***			_		_	4	2	0	COAL 0 9						
Thill				1	0	0	8	-		Band 0 9						
Grey metal				î		9										
Grey post	***			ô	5 3	9				COAL 4 6	1	0	0			
Grey metal	120			0	3	6					*	v	·	8	3	3
Brown post			***	3	2	6				C	0	5	6	0	0	0
Drown Pose	***		***	0	-	U				Grey sill	1	3	0			
2000		Ft.	In.							White post	0	0	9			
COAL	***	1	6							COAL	U	U	9	9	0	3
Sill		1	3							G				2	9	9
COAL	***	1	6							Grey metal, with	0	,	-			
		-	-	0	4	3				brown scares	0	1	24			
				_			8	1	9	Grey metal stone and						
							9			grey post	1	0	0			
3	Carri	ed	for	war	d		16	3	3	Carried forward	1	1	9	32	5	8

### No. 986.—GREENFIELD.—CONTINUED.

Brought forward		In. Fs. Ft. In. 9 32 5 8	Brought forward		In. Fr. Ft. In. 6 32 5 8
Strong white post			Blue metal		
Blue metal			White post		
Strong grey metal			Blue metal		
Blue metal Strong grey metal	0 2	6	Black swad COAL-Main Coal	0 3	6
stone	0 3	0	OOAL Main com	- 0	13 1 10
Carried forward	6 0	6 32 5 8	Total	***	*46 1 6

# \* Approximate sea level 242 feet below this.

## No. 987.—GREENHEAD.

TOWNSHIP OF BEDBURN, DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Section of the Strata of Greenhead and Abbot's Close Collieries.

Soil	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 14		In.
Blue metal	î	3	ő				Soft white clay	0	3	6	TE	*	0
	i	2	0					0	1	0			
COAL	0	ő					1	3		2			
	U	0	10						3				
Brown seggar, mixed with iron nodules	1	0					Grey metal	0	1				
	1	0	2				COAL—Busty Seam	0	1	11			
Yard Seam- Ft. In								_	_	-	7	4	5
COAL 0 10							Fire clay	0	1	8			
Strong dark							731	0	1	6			
post band 0 7							Committee of the commit	0	1				
COAL 3 0			-				233	0	-	8 6			
	0	4	5	2	157				0	0			
	-	-	_	5	4	5	Grey whin girdle	0	2				
Strong dark post band		0	8				White post	2 2	1 5 2 2 5	6			
Grey metal	0	3	3				Blue metal	2	9	0			
COAL	0		10				Main Coal Seam-						
Blue metal	1	0	0				Ft. In.						
Grey post	0	3 2 2	6				COAL, top 2 6						
Grev metal	1	2	0				Band, mixed						
Post	0	2	0		*		with stone						
Grey metal	0	5	0				and coal 0 3						
Cannel	0	0	7				COAL 4 2						
COAL - Ballarat								1	0	11			
Seam	0	1	10				1	*	0	**	1 5		-
2000000 000 000	_			5	1	8		-	-	_	8	2	9
Fire clay	0	1	8	-			Fire clay	0	1	10			
Blue metal	-		0				White clay, mixed	-	-	-	1		
Post	-	2 2	0				with iron nodules	0	5	6	, ,		
Fine blue metal	-		0				With Holl houses	_		_	1	1	4
COAL-5/4 Seam	0		0								+	-	1
OORL-0/4 Seam		.2	_	3	1	8							
				-	*	0							
Carried for	*****	Ive		14	1	9	Total				31	4	2
Carried 10	W 26.3			1.4		9	Total		+++	=	91	*	_0

### No. 988.—GREENLAND

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of the Boring of No. 3 Hole, at Greenland. Commenced November 6th, 1856.

Clay	Fs.	Ft.	In.	Fs.	Ft.	In.	Daniel Comme				Fs.		
V 11 6 4	-	30					Brought forward	1	9	2	18	1	0
Yellow freestone	1	0	0				Strong grey metal,		-	-			
Brown freestone	1	2	0				with post girdles	1	4	1			
COAL, foul	0	0	9				Strong white post	1	0	0			
				3	1	9	Grey metal	0	0	2			
	-		-	0		0	COAL	0	1	6			
Soft grey metal	0	2	11					-		-		-	
Post girdles	0	1	0					-	_	-	4	2	11
Grey metal	2	1	6				Grey metal	1	0	6			
n i	0	2	4				COAL	ō		3			
Grey metal, with post	0	-	-20				COAL	v	~	0			
		~	-					-	_	_	1	2	9
girdles	1	2	5				Commu	0	0	0			
Dark metal	0	0	6				Seggar	0	3	2			
Soft grey metal	0	0	7				Strong grey metal	0	3	6			
COAL	0	2	2				Mild white post	2	0	6			
				-	-	-	Hard white post	0	3	5			
	_	=	=	5	1	5	Rotten stone	0	1	5			
Seggar	0	0	7				Strong white post	2	4	1			
D 1	0	0	7				Strong grey metal	ō	2	6			
	100	1	í					0	4	-			
Grey metal	0	1	1				Strong white post	-	-	1			
Post, with metal part-	-	2					COAL	0	1	0			
ings	0	3	8					_			7	5	8
Grey metal, with post							-		_				
girdles	3	4	10				Strong white post	0	3	0			
Hard white post	0	-	8				Strong grey metal	0	4	1			
Strong grey metal,		-	0				Strong white post	0	1	5			
	-						Grey metal	0		10			
with post girdles	1	1	2					0		5			
COAL	0	1	0				COAL, foul	U	U	9			
				6	1	7		_	_	_	1	5	9
				0	-								
Grey metal	0	4	1				Grey metal, mixed	-	-	00			
Strong grey metal,							with post girdles	3	1				
mixed with post							COAL	0	0	7			
	1	0	10				Grey metal	0	2	0			
							Hard white post, with						
Soft grey metal		4	9				metal partings	1	3	8			
COAL	0	0	3				Strong grey metal,	*		0			
	_			2	3	11		0	0	-			
ACCOUNT OF THE PARTY OF THE PAR				-	-		with partings	2	3	5			
Grey metal	0	4	0				COAL	0	3	7			
COAL	0	0	4					_			8	3	1
				-						-	0	-	
	_		-	0	4	4	Grey metal				0	0	10
Grey metal, with post													
girdles	1	3	2										
Burnes	-	0	-										
	-	_	-	-	-	-							
Carried forward	1	3	0	18	7	0	Trad-1				40		0
		- 64	1	10	1	()	Total				42	4	- 0

### No. 989.—GREENSFIELD MOOR.

TOWNSHIP OF ALNWICK, NORTHUMBERLAND.

Sheet 32 of Ordnance Map. Lat.

, Long.

Section of Strata at Greensfield Moor, S.E. of Alnwick. By W. Wilson. 1851.

Approximate surface level feet above sea (Ordnance datum).

Sunk:-	F8.	Ft.	In.	Fs,	Ft.	In.	Brought forward		Ft.				
Clay	4	0	0				Black stone, with free-	-	*	•	**	u	
Blue metal and free-		-					stone beds	0	4	6			
stone beds	6	0	0				Hard freestone		0	7			
Limestone							Black metal						
	_		_	11	0	0	Freestone						
Bored :-							Black metal	0	0	3			
Limestone	0	5	11				Hard freestone						
Black metal	0	1	6				Black metal and free-						
White metal	1	1	2				stone	0	1	6			
Black metal		1	3				Freestone, with water	1	0	4			
Red stone, with iron								-	_	_	6	4	3
beds	0	0	9										
Carried forward	2	4	7	11	0	0	Total				17	4	3

### No. 990.—GREENLAWALLS.

TOWNSHIP OF DUDDO, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 40′ 55", Long. 2° 5′ 22".

Section of Strata sunk through in the Lady Pit to the Bulman and Cowper Eye Seams, Greenlawalls Colliery.

Blue clay Fs. Ft. In. 1 0 9	Fs. Ft. In.	Brought forward Fs. Ft. In. Fs. Ft. In. 8 3 9
White freestone 5 4 0		Soft blue shale 0 0 5
Hardy Seam- Ft. In.		White freestone 0 1 10
COAL 2 0		Hard white freestone 0 2 2
Limestone 0 10		Soft blue metal 0 0 4
COAL 0 8		Black metal 0 0 8
- 0 3 6		White metal 0 2 9
	7 2 3	COAL 0 0 2
Brown metal 0 1 6		Shale 0 3 10
Limestone 0 0 6		Hard white freestone 0 4 6
Diamond Seam—		Blue shale 0 5 9
		Freestone 0 2 4.
COAL 1 6		
		711 1 1
COAL 2 0		
0 5 6	1 1 0	
	1 1 6	Black shale 0 0 9
Carried forward	8 3 9	Carried forward 7 5 9 8 3 9

### No. 990 .- GREENLAWALLS .- CONTINUED.

Brought forward	Fs. 7	Ft.	In. 9	Fs. 8		In. 9	Brought forward Shale	Fs. 3	Ft. 4		Fs. 24	Ft.	In.
Ft. In.							Freestone bands	2	î	3			
COAL, top 1 25							Tills	0	4	0			
Chalk stone 0 04							Limestone	0	2	0			
COAL, splint 0 9							COAL	0	0	8			
COAL, rough 0 7							Tills	0	3	0			
Band stone 0 3							Three-Quarter Seam-	-	-	-			
COAL,ground 1 1							Ft. In.						
Chalk stone 0 1							COAL, top 0 11						
COAL, smithy 0 9							Limestone 0 9						
ourse, aming o	0	4	9				COAL 1 0						
	-	*	-	8	1	G	OONE 1 0	0	2	8			
Shale	0	1	0	G	*	0		-	-	_	8	4	1
	0	i	3				Tills	0	3	0	0		
	0	0	6				0011	Ö	0	6			
The state of the s	3		0				******	0	4	0			
D	1	3 5	0				***************************************	0	1	4			
111	0	1	4					U.		*			
DOTE OF	0		10				Cowper Eye Seam-						
P. C.		2	10				COAL Ft. In.						
Limestone	0	0	6				COAL, splint 1 2						
COAL	0						Mackett 0 3						
Freestone bands	0	2	10				COAL, ground 1 1	-					
Ft. In.							_	0	2	6		-	
COAL 0 6								_	-	_	1	5	9
Fills 1 0							Shale	0	3	0			
COAL 1 2		-	-				Limestone	0	1	6			
	0	2	8	10	-	44	Tills	0	2	0	10	-	
2 - 2 - 2 2	-		-	7	2	11	0.00	_		-	1	0	6
Freestone bands	1	4	0				Into limestone,						
Freestone	2	0	6										
Carried forward	3	4	G	24	5	2	Total				36	9	-

#### No. 991.-GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53′ 43", Long. 1° 56′ 9".

Account of a Boring on the North Side of the Grey Mare Pit, near the West Boundary. June 27th, 1756.

Soil Yellow clay Soft brown scamy metal Brown post, with water	1 3 0	Brought forward 3 0 0 Blue metal, with post girdles 1 0 0 Black metal 0 0 3 COAL 0 1 1	
Carried forward	3 0 0	Carried forward	4 1 4

<sup>\* &</sup>quot;Tills," local name for thill, metal, or shale.

<sup>+ &</sup>quot;Macket" or "macker," local name similar to "badger," a black coaly band approaching towards an inferior coarse coal,—S. C. CRONE.

# No. 991.—GREY MARE.—CONTINUED.

Brought forward Fs. Ft. In. Fs. Ft. In. 4 1 4	Brought forward Fs. Ft. In. Fa. Ft. 7 2	In 9
Grey metal 0 3 0	In white grey metal 0 0	A
COAL, foul 0 0 4	Bored further in the	
Blue metal, with post	same place, August	
girdles 1 1 6	23rd:-	
Black slaty metal, with		
girdles or lumps 0 2 5	Grey and white post,	
Grey metal 0 2 0	with water 4 1 0	
Ft. In.	Blue metal 0 4 0	
COAL 2 5	Black metal 0 0 6	
Grey metal 1 0	COAL 0 0 9	
COAL 0 5	5 0	3
Slaty band or	In soft grey and white	
lump 0 1		0
COAL 0 3	Maria Company	
- 0 4 2		
3 1 5		
	m 1 1	-
Carried forward 7 2 9	Total *15 0	4

<sup>\*</sup> Approximate sea level 7233 feet below this

### No. 992.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53′ 39″, Long. 1° 56′ 7″.

Bored in the second place at Grey Mare, about 100 yards to the South from the first.

July 5th, 1756.

Soil		Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.		Ft.	-
	0	1	6				Grey and blue metal	0	3	4		0	10
	U		U				0041	0	-	8			
Brown and grey scamy	4		^				COAL	U	0	0	0	-	0
	1	3	0				C	_	0	_	0	4	U
COAL, with water	0	2	3	-			Grey metal	0	2	0			
	-	-	-	2	1	9	Grey metal stone	1	5	0			
Blue metal	0	2	0				COAL	0	1	1	-	-	-
COAL	0	1	6				The state of the s	-	-	-	2	2	1
	-	_	_	0	3	6	Blue metal	0	1	6			
Grey metal	0	0	9				COAL	0	0	4			
Strong grey post	0	2	0				Blue metal stone, with						
Grey metal, with gir-	-	-	- 3				post girdles	1	3	0			
dles or lumps	2	1	0				Black metal, with gir-						
Black metal	ō	0	3				dles or lumps	0	2	0			
0041	0	1	9				Grey metal	0	2 3	2			
COAL	0		9	0	5	9	Ft. In.	0	0	0			
	-			2	9	9	COAL 2 6						
Grey metal, with gir-			~				Grey metal 1 2						
dles or lumps		1					COAL 0 10						
COAL	0	0	10				0 10	0	A	6			
	-	_	-	1	1	10		U	*	0		0	-
							7			-	3	2	4
							In grey metal				0	0	4
~				-	-	10	m					-	70
Carried for	war	a		7	0	10	Total				13	3	10

<sup>\*</sup> Approximate sea level 793; feet below this,

### No. 993.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 41", Long. 1° 56' 3".

Bored in the third place at Grey Mare, about 100 yards E.N.E. from the second, and 30 yards from the House. 1756.

Approximate surface level 875 feet above sea (Ordnance datum).

			In.	Fs.	Ft.	In.	Fa. Ft. In. Fa. Ft.	In.
Soil		1	0				Brought forward 8 2	1
Brown clay	0	3	0				Grey metal 0 1 0	
Soft brown metal, with							Grey metal stone, with	
water	0	5	0				post girdles 1 2 3	
Ft. In.							Black metal 0 1 0	
COAL 2 3							COAL 0 1 1	
Blue metal 1 7							1 5	4
							Blue metal, scared with	16
							0.04	
							coal 0 0 4	
COAL 0 10	-		-				Grey metal, with post	
	1	0	8	-	-	10	girdles 0 4 0	
	-	-	-	2	3	8	COAL 0 0 4	
Grey metal	0	1	0				Blue metal 0 3 9	
Grey and brown scamy							Black metal, with gir-	
post, and settled the							dles or lumps 0 2 0	
top feeder	1	0	0				Grey metal 0 4 2	
Grey and blue metal,		-	-				Black metal 0 0 6	
with post girdles or								
A COUNTY OF THE PARTY OF THE PA	3	0	0				COAL Ft. In.	
	0	-	10					
COAL	U	1	10		-		Grey metal 1 4 COAL 0 2	
	_	-	_	4	2	10		
Blue metal	0	3	0				Grey metal 0 9	
COAL	0	0	8				COAL 0 8	
	-	_	_	0	3	8	- 0 5 1	
Grey metal	0	3	6				3 2	2
COAL, foul	0	0	5				In grey metal 0 0	5
	_			0	3	11	and a contract of the contract	
				_				
Carried forward				8	2	1	Total *13 4	0
Chilles Iol ward				9	~	*	1 10 10 11	=

### \* Approximate sea level 793 feet below this.

#### No. 994.-GREY MARE.

TOWNSHIP OF WHITTONSTALL. NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53′ 39", Long. 1° 55′ 46".

Bored in the fourth place at Grey Mare, about 30 yards W.N.W. from Grey Mare House. 1756.

	Fs. Ft. In. Fs. Ft. In. 10 5 6 0 0 4 0 0 9	Brought forward Grey and brown post	0	1	1		Ft. 5	In. 6
Carried forward	0 1 1 10 5 6	Carried forward	0	5	7	10	5	6

## No. 994.—GREY MARE.—CONTINUED.

Brought forward					Ft.	In.	Brought forward	Fs.	Ft.	In.		Ft.	
Grey metal, with post	~	-			-		Grey metal	0	5	0	-	-	
girdles or lumps	2	0	0				Black metal	-	2	0			
COAL	0	1	9				Grey post	1		0			
	_	_	_	3	1	4	Blue metal	ō		6			
Grey metal	0	5	0		-	2	The second second second						
COAL	0	0	8				COAL 2 1						
	_	_	_	0	5	8	Grey metal 0 6						
rey metal	0	0	6		-	-	COAL 0 2						
rey metal stone, with			-				Grey metal 0 2						
post girdles	0	5	0				0041 0 0						
COAL	0	0	6				COAL 0 9	-		2			
	_			1	0	0	_	0	4	2			
Frey metal	0	2	0	-		3		_	_	_	2	5	2
rey post	1	5	0				Communical	0	0	2			
Ft. In.							Grey metal	0	1	1			
COAL 1 1							In grey post	U		-			
rey metal 1 6													
COAL 0 4													
	0	2	11								-	-	3
	_			2	3	11		_		-	0	1	*
				-	363	-					_	_	
Carried fory	var	d		18	4	5	Total				21	5	7

<sup>\*</sup> Approximate sea level 8041 feet below this.

### No. 995.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53′ 45", Long. 1° 56′ 8".

Boring in the fifth place at Grey Mare, about 80 yards North from the first.

4 fathoms 3 feet 9 inches under level.

Soil Brown sandy clay	0	0	6	Fs. Ft. In.	Brought forwa		3			Fs.	Ft.	In,
Sand and gravel Brown stony clay	0	2	0		partings Blue metal	***	1	03	0			
Brown sand and chan- nel, with water					In grey post					4	3	6
Carried forward	3	0	0		Total					*4	3	6

<sup>\*</sup> Approximate sea level 7671 feet below this.

### No. 996.—GUNNERTON FELL.

#### TOWNSHIP OF GUNNERTON, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. , Long.

Boring on Gunnerton Fell to the North of the Dyke, by order of Mr. Richard Peck. 1734.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. Soil and sandy clay, with small sipings	Brought forward 12 2 10 COAL, with water
of water 7 0 6	(the water fell 3 fa-
Grey sandy stone 0 1 6	thoms in the bore-
Black grey metal 1 8 0	hole) 0 0 3
Blue grey stone of a	Grey metal, with small
limestone nature.	scares of coal 0 1 8
with water 0 2 10	White post 0 2 6
White post 0 3 0	Black grey metal 0 2 4
Open white post, mixed	COAL 0 2 2
with whin 0 2 0	Black grey thill 0 0 3
White post girdles,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
with grey partings 2 2 0	14 0 0
Carried forward 12 2 10	Total 14 0 0

#### No. 997.—HALTON.

#### TOWNSHIP OF AYDON CASTLE, NORTHUMBERLAND.

Sheet 86 of Ordusuce Map. Lat. 55° 0′ 1", Long. 2° 0′ 10".

Bored about 20 yards South of the Burn and about 600 yards South from Halton. October 13th, 1757.

Soil and sandy In sand. with	clay	of wa	 ster and a	 small	 mix-			Fs.	Ft.	In.	
ture of clay						3	0		1	0	
	Total							•4	1	_	

<sup>•</sup> Approximate sea level 405 feet below this.

#### No. 998.-HALTON.

#### TOWNSHIP OF HALTON, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. 55° 0' 3", Long. 2° 0' 6".

Bored about 60 yards North of the Burn and about 500 yards South from Halton. October 15th, 1757.

Approximate surface level 440 feet above sea (Ordnance datum).

Soil Stony clay Brown gravelly clay, with water, which	7	1		Brought forward 10 5 0 In blue and grey scamy metal, with
rose to the top Soft brown sandy	1	0	0	post girdles 1 0 6 11 5 6
ramble		5	0	
Carried forward	10	5	0	Total *11 5 6

\* Approximate sea level 3691 feet below this.

### No. 999.—HALTON.

TOWNSHIP OF AYDON CASTLE, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. 55° 0′ 9", Long. 1° 58′ 45".

Account of the Boring near Halton, in Aydon East Field, about 450 yards to the N.W. from White House. September 1st, 1757.

Soil and stony clay		Ft.	In. Fs. Ft. I	Brought forward 11 1 3
Brown post, with metal				Whin 0 0 10
partings and water	1	2	3	Strong white post 0 4 0
White post, with metal				Blue and grey metal
partings and water	5	0	0	and metal stone,
Grey metal, with hard				with post girdles
lumps	0	3	0	and water 1 2 0
A whin girdle	0	0	6	Black stone, with gir-
Grey metal				dles or lumps 0 4 0
Grey stone, with water				Grey post, with black
Limestone or whin				cashy partings and
Strong white and				water 4 0 0
brown post	0	1	4	Strong white post,
Blue and black metal.				mixed with whin
with some scares of				girdles 4 0 0
coal	0	4	2	
	_			
Carried forward	11	1	3	Carried forward 22 0 1

## No. 999.—HALTON.—CONTINUED.

								_		-	
Brought forward				Fs. Ft. In.	Brought forward				Ts.	Ft. I	īn.
Grey and brown metal	~~	-	-		Grey post, with black	20			,	10	
stone	0	2	0		scamy partings	0	3	0		1	1
A whin girdle					Strong white post,						30
Grey post					mixed with whin	0	1	3			
Black grey metal					Black metal, with						
stone, with post					white scares	0	4	6			
girdles	0	5	0		Strong white post,						
Whin	0	2	0		mixed with whin	0	1	0			
Grey metal	0	1	0		White post, with black						
Grey post	0	1	8		scames and water	0	1	9			
Whin	0	1	9		Strong white post,						
Grey post girdles and					mixed with whin	0	1	6			
blue cashy partings		4	0		Black and grey metal	0					
Soft black cashy metal,					In strong white post	0	2	8			
scared with coal						-	_	-	29	4	0
Blue metal	0	1	6								
Carried forward	26	3	0		Total			-	29	4	0

<sup>\*</sup> Approximate sea level 317 feet below this.

### No. 1,000.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of Borings made on the Hamsteels Common, in the County of Durham.

No. 1 Hole, at the Bottom of Plantation, South of Clifford House. Commenced

May 29th, 1867.

Soil	0	Ft.	In.	Fs.	Ft.	In.	Brought forward			In. 7	Fs.		
Yellow clay and sand	0		0				Blue metal, with part		-			-	
Blue clay	-	-	0				The state of the s		0	0			
	_		_	5	4	6	Black stone	- 4	1	6			
Yellow rotten stone	0	2	0				Grey metal		3	9			
Soft blue metal	0	3	6				COAL	. 0	0	2			
Rotten post	0	2	0				Seggar clay	. 0	5	3			
COAL	0	0	3				COAL	. 0	1	3			
	_	_	_	1	1	9	The state of the s	_		_	7	3	6
White post	3	3	7								-		
Carried forward	3	3	7	7	0	3	Total				14	3	5

## No. 1,001.—HAMSTEELS.

#### TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map.	Lat.	, Long.
---------------------------	------	---------

No. 2 Hole, in Plantation North-west of No. 1 Hole. June 19th, 1867.

Approximate surface level feet above sea (Ordnance datum).

Yellow clay Blue clay	 	 		Fs. 0 9	5	0		Ft.	In.	
				_			10	0	9	
	Total	 	 			_	10	0	9	

## No. 1,002.—HAMSTEELS.

#### TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

## No. 8 Hole, down Fence, South-west of Clifford House. June 24th, 1967.

Yellow clay	Fa.		In. 6	Fs.	Ft.	In.	Brought forward	Fs.	Ft.		Fa. 11		In.
Blue clay	6		3				Grey metal	2	0		-	-	_
•				7	8	Ω	Brown post, with						
<b></b> .	_	_	_	•	•	•	metal partings	0	3	9			
Rotten yellow stone		1					Brown post	4	2	4			
Grey metal	0	0	9				Blue metal	0	1	7			
Grey metal, with white								Ó		6			
post girdles	1	0	3					•	•	•	_	_	
Strong white post	0	2	0								7	5	10
Grey metal							Black metal	0	0	7			
Black stone			2				Black metal Grey metal	ŏ	2	8			
Brown post	ŏ	ŏ	7				1 1200	•	_	_	_	_	
COAL	ŏ	ŏ	3				ŧ	_		_	0	2	10
	_		_	8	8	0							
				_							_		
Carried forward				11	0	9	Total		· · ·		19	3	5

# No. 1,003.—HAMSTEELS.

## TOWNSHIP OF BURNHOPE AND HAMSTERLS, DURHAM.

Approximate s  Blue clay  TOWNSHII  Sheet 19 of Or	No. 1,004. P OF BUBNIC rdnance Map. 5 Hole, Nort	HAll Lat.	MSTE  HAMS  Grant Quebo	TEELS, DURHAM.
TOWNSHII Sheet 19 of Or	No. 1,004. P OF BURNEC rdnance Map. 5 Hole, Nort	—HAl	MSTE  HAMS  -  G Quebo	Fa Ft. In Fa Ft. In 2 3 0  2 3 0  2 3 0  ELS.  TRELS, DURHAM.  , Long.
TOWNSHII Sheet 19 of Or No. 1	P OF BURNHO rdnance Map. 5 Hole, Nort	Lat.	HAMS - Guebe	ELS. TERLS, DURHAM. , Long.
Sheet 19 of O	P OF BURNHO rdnance Map. 5 Hole, Nort	Lat.	HAMS - Guebe	, Long.
No.	5 Hole, Nort	h-east o	-	ec Cottages.
	-	_	-	•
Approximate s	urface level	feet	above s	es (Ordnance datum).
Blue clay Rubble stone				1 0 0 0 4 0
1	Total		•••	1 4 0
TOWNSHII		OPE AND		ELS. TERLS, DURHAM. , Long.
λ	No. 6 Hole, W	rest of G	– Duebec i	Cottages.
Approximate s	·		-	ea (Ordnance datum).
Yellow clay Rubble stone				Fs. Ft. In. Fs. Ft. In. 0 5 0 0 2 0
,	Total			110

## No. 1,006.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

No. 7 Hole, in the Field North-west of Quebec Cottages. July 16th, 1867.

	_		_	_	_	_	
		Ft.		Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Yellow clay	0	4	0				Brought forward 17 3 1
Brown post	0	3	0				Grey metal 2 2 10
Brown and white post	2	4	4				Black metal 0 0 7
COAL	0	0	6		- 2		COAL 0 0 4
	-		-	3	5	10	2 3 9
Brown and white post	0	3	0				
Grey metal	0	5	1				Grey metal 0 4 3
Black metal	0	4	000				White post 2 4 0
COAL	0	0	10			-	Black metal 0 0 2
	-	_	-	2	1	9	COAL 0 1 11
Seggar clay	0	2	10				3 4 4
Grey metal and post							Seggar clay 0 2 2
girdles	2	0	1				
COAL	0	0	2				Grey metal and post
				9	3	1	girdles 0 4 0
Grey metal and post				-			White post 0 4 2
2 44	3	1	4				Grey metal 0 0 7
		î					Brockwell Seam-
Dark metal	0	2	5				Ft. In.
COAL—Busty	U	2	9				COAL 2 2
	7	-	-	3	5	2	COAL, foul 0 4
Dark metal and coal	0	1	0				- 0 2 6
Grey metal and post							- 0 2 0
girdles	0	1	9				2 1 5
	0	2	9				Grey metal 0 1 0
White post Grey metal and post	0	-					Grey metal and post
	0	3	0				girdles 0 3 6
girdles Oat	U						White post 5 5 8
Bored further, Oct.							0001
29th, 1867 :-							
White post and metal	2	0	0				6 4 10½
partings		0					Seggar clay 0 0 9
Black metal	0		3				Grey metal and post
Grey metal	0	0	4				girdles 0 3 0
COAL	0	U		-	-		Grey post 2 2 0
	_	_	-	3	3	4	COAL 0 0 4
Dark grey metal	0	1	01				The state of the s
COAL	0		51				3 0 1
		-	_3	0	1	6	Grey metal and post
Seggar clay	0	1	8	-	*		girdles 1 0 9
Brown post and metal		-					Grey post 0 2 2
partings	0	0	7				Black metal 0 0 2
	0		7				Grey metal 0 0 2
	0		5				Grey post and parting 0 5 0
	0	1 1				- 1	White post 0 1 0
Grey metal	0		4				Grey post 1 0 3
COAL	0	0	*	0	5	5	3 3 6
Passes part	0	0	6	0	O	9	
Brown post			9				
COAL	O	0	0	0	1	3	
				0	1	0	
			-				
Coming Com	and		-	17	9	1-	Total on a al
Carried forw	rard	1	1	17	3	1	Total 39 3 3½

#### NORTHUMBERLAND AND DURHAM.

#### No. 1,007.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

No. 8 Hole, along the Wall, by the Brook, at Blackburn, in the Field West of the Cottages. 1868.

Approximate surface level

feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In. 3 3 0 Sand and gravel

### No. 1,008.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

No. 9 Hole, below Blackburn Cottage. August 5th, 1867.

Soil		Ft.	In. 10	Fs.	Ft.	In.	Brought forward			In. 10		Ft.	In.
Yellow clay	0		0				White post, with metal		-		-	-	•
Brown clay	0	2 5	8				partings	0	2	6			
Brown and white post							Grey metal	0	1	3			
mixed	1	0	0				Dark metal	0	0	10			
White post	0	0	7				COAL	0	0	4			
Rotten yellow post	0	0	5				B100000 110 011	-		_	7	5	9
Strong white post	1	2	10				Grey metal	1	3	3			
Rotten brown post	0	0	9					-	9	6			
Blue metal, with							11	0	2 4	6			
white post girdles	0	2	1				Grey metal Grey metal, with white	1	20	0			
COAL	0	1	6				post partings	0	4				
	-		_	4	4	81	Brown and white post	0	*	4			
Seggar clay	0	1	3			-		3	0	0			
Blue metal	0	3	8				7	1		10			
COAL	0	2	0				The state of the s	-	-	10			
	_	_	_	1	0	114	COAL 1 0						
Dark metal	0	1	9			•	Dark grey metal 1 5						
Grey metal	9	9	1				COAL 1 9						
White post	2 3	2 3	9				I b						
Yellow post	0	3	6				_	0	4	2			
Dark metal	o	0	6					_		_	9	3	7
Grey metal, with white	-	-					Grey metal				0	3	0
post girdles	0.	2	3				orey mean ,						
Carried forward	7	0	10	5	5	8	Total				24	0	0
											P	=	

## No. 1,009.—HAMSTEELS.

#### TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnauce Map. Lat.

, Long.

No. 10 Hole, below the Tile Sheds. August 31st, 1867.

Approximate surface level feet above sea (Ordnance datum).

Soil Yellow clay Blue clay Stony clay	0 0 14	2 2 0	2 10 8	Fs.	Ft.	In.	Brought forward 5 4 9 16 0 0  Brown post, with water 0 3 0  Blue metal 0 2 2  White post 0 0 5  Blue metal, with white
Yellow post, with water Yellow post Yellow post, with soft	1	0	11				and brown post partings 1 3 1 Blue metal 0 0 10 Black metal 0 0 6 COAL 0 2 11
brown partings White post, with water Brown and white post mixed	0	1	0				8 5 8
Carried forward	5	4	9	16	0	0	Total 24 5 8

## No. 1,010.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

No. 11 Hole, West of the Tile Sheds. December 2nd 1867.

Soil Yellow clay			•••	•••			Fs. 0 0		In. 4 0	Fs.	Ft.	In.
Brown stony		•••		•••	•••	•••	11	_	4			
Brown clay				•••	•••		7	2	Ō	20	1	<b>_</b> 0
	1	<b>Cotal</b>								20	1	0

## No. 1,011.—HAMSTEELS.

#### TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

No. 12 Hole, West of the Tile She'ls. December 18th, 1867.

Approximate surface level feet above sea (Ordnance datum).

Soil							Fs O	. Ft	. In. 5	Fs.	Ft.	In.
71					•••		4	ĭ	ğ			
Brown stony		•••	•••	•••			5	õ	10			
Blue clay and	sand	partin	ngs		•••		0	4	0			
Brown boulde	r clay	·	·	•••			5	0	6			
							0	1	0			
Boulder clay							4	3	6			
•										20	0	0
	_											
	To	otal	•••	• • •	• • • •	• • • •		•••	_	20	0	_0

## No. 1,012.—HAMSTEELS.

#### TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

No. 13 Hole, on West Side of Tile Sheds. January 6th, 1868.

Soil					Ft.	In.	Brought forward	F8.	Ft.	In.	Fs.	Ft.	In.
Soil Yellow clay	ň	5	ŏ				Brown clay, mixed	٠	•	٠	•	·	_
Brown clay, with	٠	Ŭ	·				with coal, sand, and						
gravel	3	4	6					4	1	5			
Brown clay, mixed							gravel Sand, with water	0	1	0			
with coal and gravel	2	5	0				Rotten brown post	0	4	0			
Brown clay, with sand							Brown post, with sand						
partings	0	3	0				partings	1	0	3			
Brown clay, mixed							Brown and white post	_	_				
with coal and white		_					_ mixed						
and yellow post					_		Rotten brown post	0	3	10			
				10	0	4	Black metal COAL	0	0	3			
Strong white post	0	1	3				COAL	0	3	0	_	_	_
											8	Đ	1
	_	-	_			_	m., 1				10		
Carried forward	O	1	3	10	0	4	Total			=	19	<u>- 5</u>	

## No. 1,013.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

Long.

No. 14 Hole, on West Side of Tile Sheds. January 15th, 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.					Fs.	Ft
Soil	0	0	8				Brought forward	4	1	0	11	2
Yellow clay	0	3	0				Brown post, with sand					
Brown stony clay							partings	0	5	2		
Brown stony clay, with							Dry rotten brown post					
water	3	3	0				Blue metal	0	1	2		
Brown sand, mixed								0				
with coal and gra-							White post	0	2	8		
vel	5	1	0				Grev post		1	6		
				11	2	0		0	0	2		
Rotten brown post	0	4	0			- 7	COAL	0	3	6		
Brown post, with water								_			7	0
Brown post							Black metal				0	0
Carried forward	4	1	0	11	2	0	Total				18	2

## No. 1,014.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS; DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 15 Hole, in Mr. Forster's Ling Pasture Field. February 5th, 1868.

Valley alon				Fs.	Ft.	In.	D		,				Fs.	
Yellow clay	0	2	8				Brough		ard	2	0	7	6	1
Brown strong clay	0	5	7				Grey metal	***		0	1	6		
Brown shaly post	4	3	5				White post			2	4	8		
Grey metal		1	1				Grey metal				1	1		
COAL	0	1	0				COAL			0		9		
	_	_	_	6	1	9	1000000				_	_	5	2
Seggar clay	0	0	9				Grey metal	4.66		0	2	2		-
White post	0	2	2				Dark metal			0	1	6		
Grey metal, with white							Blue metal	***		1	4	6		
post girdles	1	0	4				Black metal			0	0	6		
Grey metal	100	2					COAL			0	3	3		
Black metal, with coal								216		_	_	_	2	5
mixture	0	1	0				Thill stone	***	***				0	0
Carried forward	2	0	-	-	,	_		m					-	-
Carried forward	2	0	7	6	1	9		Total	***		***	1	14	4

## No. 1,015.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map, Lat.

, Long

No. 16 Hole, at Blackburn, in a Field East of Biggin Road. February 24th, 1868.

Approximate sea level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	-				Ft.				In.
Soil		0					Brough						10	1	2
Yellow clay							White post			0	3	0			
Brown sandy clay	6	3	4				Blue metal.	with	white						
	_	-	-	6	5	6	post girdl	es	***	0	3	3			
Rotten yellow post	0	4	6				White post		244	0	1	6			
Brown post	1	1	6				Grey post		***	0	3	0			
White post	0	2	0				Brown and	whit	e post	0	2	6			
White and brown post	0	4	8				Blue metal	446		0	1	6			
COAL	0	1	0				White post	100	116	1	0	2			
	_	_	_	3	1	8	White post Plue metal		7.00	0	1	4			
Seggar clay	0	1	0			~	Dark metal			0	ō	6			
Grey metal, with white	-	-	-				Irai k metai	***		-	~	0			
post girdles	4	5	6						Ft. In.						
Black metal, with coal		o	0				COAL		0 9						
	^	0	20				Band		0 11						
mixtures	U	U	10				COAL		1 9						
Grey metal, with white	-	-					The second second		-	0	3	5			
post girdles	2	2	4							_		_	9	3	9
Grey post	0	1	0				Land on the land						13	0	
Blue metal, with white							Thill stone	***	***				0	0	21
post girdles	0	2	4				Contract of								
Carried forward	5	1	0	10	1	2		Tot	al				19	4	61

## No. 1,016.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48' 9", Long. 1° 44' 34".

No. 17 Hole, in middle of Field West of Tile Sheds. March 23rd, 1868.

Soil 0 0 6 6 Yellow clay 0 2 0 Blue clay, with stones Blue clay 8 2 6		Brought forward Sand, with water 0 3 ( Sand and gravel 1 0 ( Sand and gravel, mixed with coal 0 4 (	10	Ft. 3	
Carried forward	10 3 0	Carried forward	12	4	6

## No. 1,016.—HAMSTEELS.—CONTINUED.

Brought forward					Ft.		Brought forward 1 5 6 17 0 9
Rotten yellow post				75		-	Brown post 1 0 0
COAL							White post 0 2 0
COAL, mixed with		-	10				White and brown post 1 1 10
brown post	0	0	Q				Brown post, with water 2 4 4
brown post	0	U	0				Plus motel
	-	-	_	2	2	3	Blue metal 0 5 4
Grey metal, with white	-						White post 0 1 6 Blue metal, with white
post girdles							post girdles 0 4 8
White and grey post	1	1	10				Dark metal 0 0 5
COAL	0	0	6				post girdles 0 4 8 Dark metal 0 0 5 COAL 0 3 9
	_			2	0	0	70 30 4
Grey metal	0	3	0				
Rotten and brown post							9 5 4
arorten and brown pose	-	_				-	
Carried forward	1	5	6	17	0	9	Total *27 0 1

<sup>\*</sup> Approximate sea level 448 feet below this.

## No. 1,017.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 18 Hole, up Hedgeside, to North of Tile Sheds. March 23rd 1868.

	Fs.	Ft.	In.	Fs.	Ft.	In.	The same of the same of the	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	6				Brought forward	0	2	3	9	1	2
Rotten brown post,							Grey metal, with white						
with gravel	1	4	2				post girdles	2	3	3			
Strong brown post	0	3	0				White and brown post	0	4	11			
Rotten brown post	1	3	0				Grey metal	0	1	10			
Blue metal			1				White post		1				
Yellow and white post	2		5				Grey metal	0	1	10			
Dark metal	0	1	7				Black metal	0	1	3			
Light grey metal	1	0	3				COAL	0	2	3			
Black metal	1	1	6				1	-		_	5	1	2
COAL			8				Sammer	0	1	11			
				9	1	2	Seggar White post	0	1	11			
	-	-		9	1	2	white post	0	2	2	0		,
Seggar clay	0	2	3								0	4	1
Carried forward	0	2	3	9	1	2	Total				15	0	5

# No. 1,018.—HAMSTYRUR.

TOWNSHIP OF RESIDENCE AND RESIDENCE. PROCESS.

Account of the Boring in the Employ Lands, are limited 1988.

Approximate surface lend Section to Deliver Inc.

1	B.R.h.B.R.L.	*
e clay	0 4 0	Brught Served II & II 25 IS IS
post	030	PAGE TO SE
roun post	2 1 0	COM AND THE
and white post	0 0 6	
post	030	
metal	0 5 1	
metal	0 4 10	
L	0 0 10	Sepada PIP
r clay	0 2 10	grades - 0 2 G
metal, with post		Wite put 5 5 8
lles	201	COAL _ S S S
L	0 0 2	
metal, with post		- 0.00
illes —	3 1 4	Grey motal
metal	0 1 5	Greg pad 1 2 0
L	0 2 5	COAL _ BBB
10	12 3 10	
metal	0 1 0	Ger metal 1 0 9
metal	0 1 9	Designation of 2 2
e post	0 2 9	Black metal 0 0 2
metal	0 3 0	Greg metal 0 0 2
e post, with metal		Greg post, with metal
tings	1 0 10	petings 0 5 0
e post, with metal	7.2.2	White post 0 1 0
tings	0 5 2	Greg post 6 0 0
L and metal	0 2 4	Grey metal 0 1 30
	3 4 10	Back metal 0 0 2
ar and an	0 1 8 0 3 5	Ris
L. foul	0 1 7	COAL 0 9
100	2 2 10	COAL, danty 0 2
and the same of	0 0 7	COAL _ 2 1
L metal	0 0 4	0 1 0
metal	0 4 3	
e post	2 4 0	923
metal	0 0 2	Into grey metal (June
L	0 1 11	1st, 1868)
1000	- 7 2 9	
metal	0 2 2	
metal girdles	0 4 0	
e post	0 4 2	
grey metal	0 0 7	
Combad Comment	1 4 11 99 5 5	Table
Carried forward	1 4 11 23 5 5	Total

### No. 1,019.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Account of the Boring in Milton House Royalty, near Hamsteels. July 28th, 1870.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay	Fs. 0	3	0	Fs,	Ft.	In.	Brought forward	1	Ft.	In.	Fs. 23	Pt.	In.
Brown post	0	0	6 5				Grey metal, with pos		0	0			
COAL	U	*	0	4	1	11	Brown and grey pos		-	0			
Grey shale	4	5	6	-	-	**	Grey shale		0	0			
Black shale	ő	0	6				COAL		1	0			
COAL	0	0	7					_		_	8	5	0
Grey shale, with post		-					Grey shale	. 0	2	0	-	1	-
girdles	2	5	0				COAL	-	0	5			
COAL	0	1	9				Grey shale	. 2	0	0			
	_	-	_	8	1	4	White post, with brown	1					
Grey shale	1	1	6				partings	. 5	0	0			
Brown and grey post	2	1	0				Grey shale stone	. 2	3	0			
Grey shale stone	0	4	0				COAL	. 0	0	8			
Brown and grey post,							Grey shale		1				
with partings	1	4	0				White post	. 2	1	0	44	2	
Grey shale, with post		-						-	-	-	12	2	7
girdles	4	1	4										
COAL	0	1	2		-								
	_		-	10	1	0							
Carried forward				23	1	3	Total				44	2	10

### No. 1,020.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat.

, Long.

Section of the Strata in the Taylor Pit, Hamsteels Colliery. 1868.

Approximate surface level feet above sea (Ordnance datum).

Clay				Fs. Ft.				orward 8	Ft. In 2 9	16 16	Ft.	In.
Yellow post and water	3	3	7			Brockwell	Sean					
Yellow post and soft	0	-	0			COAL		Ft. In.				
partings						COML		0 6				
White post and water						Band	***	0 04				
Brown and white post	1	4	5			Band		2 41				
Brow post and water	0	3	0					0	2 11			
Rine metal	0	2	2					_	_	8	5	8
White post	0	0	5			Seggar				0	2	6
Blue metal	1	4	5			00						
Carried forward	8	2	9	16 0	0		Tot	al	***	25	2	2

## No. 1,021.—HAMSTERLEY.

#### TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.

, Long.

## Bored in Hamsterley Ground, in Shafto's Plain, near the South Field House.

Approximate surface level feet above sea (Ordnance datum).

				Fs. Ft. In.	W 2 . 1 . 1 . 1 . 1	Fs.	Ft.	In.	Fa.	Ft.	In.
Soil and brown clay	0	3	0		Brought forward	6	0	0			
Brown stony clay	1	3	3		Soft blue clay	0	1	6			
Sand, with a small					Black stony clay						
spring of water	0	3	9		Soft blue clay, mixed						
Soft clay, mixed with					with sand	0	2	0			
sand	0	3	0		Brown sand						
Sand, mixed with clay	1	0	0		Soft blue clay, mixed		-				
Black sand and coal,		-			with sand	0	2	0			
with water	0	3	0		Black stony clay						
Brown sand					Clay, mixed with sand						
Brown and black sand.		-			Black stony clay						
with water	1	0	0	-	Diack stony city	-20	0	-	14	9	0
WICH WHILET	-	-	_					-	LT	0	0
Carried forward	6	0	0		Total				14	9	0
Carried forward	0	0	0		Total		***	-	1.35	0	-0

## No. 1,022.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. about

Long.

Second Hole, in South-west part of the Ground, near Medomsley Lane.

Call and bassar alon				Fs.	Ft. In.	Brought forward				Fs.	Ft.	In.
Soil and brown clay	0	3	U									
Soft brown and grey	-	-	-			Grey and brown metal						
metal	0	1	6			Whin girdle	0	0	4			
Soft rotten coal, with						Grey and brown metal,						
water	0	3	4			with grey girdles	1	4	6			
Soft grey metal	1	0	0			Brown and grey scamy						
COAL, soft	0	0	9			stone, with post	1	2	6			
Black grey metal	0	0	3			Brown post, with red						
COAL, with water	0	0	7			and brown partings	2	4	0			
Soft grey metal	0	1	8			The same of	α,				4	-
COAL		ō	2				_	_	-	10	0	7
OOAL			_									
Carried forward	2	5	3			Total				10	0	7
									-		_	_
										5		

# No. 1,023.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.

, Long.

### Third Hole, West Side of the Lane, in the Pasture Ground.

Approximate surface level feet above sea (Ordnance datum).

		Ft.	In.	Fs. Ft. In.	D 110 1	Fs.	Ft.	In.	Fa Ft.
Soil and sandy gravel, with water		4	8		Brought forward Grey post, with much	7	4	8	
Stony clay	1	1	6		water	0	0	6	
Brown and grey sandy	-	-	-		Grey post, with brown	G.			
post, with brown					scamy partings		3	0	
scamy partings (set		-			Brown and grey sandy				
away the water)	1	3	0		stone, with water	2	2	0	
Grey and brown post					Grey post girdles	0	0	8	
girdles, with brown,					Soft brown and sandy				
grey, and black	0	1	0		post	0	1	0	
scamy partings	2	1	0		Black metal	0	7	0	
Open grey and brown					Blue and brown metal Soft black metal, with	0	9	U	
post, with much	1	ń	0		black girdles	1	0	0	
water Strong grey post	0	2	4		Black metal				
Soft grey and black	0	-	*		COAL, with water				
scamy post	0	0	10		Grey metal, with		~		
Grey and brown post	0	1	8		brown scames		1	0	
Soft black danty metal.								_	13 4
with coal	0	1	0						
0-136	-	-	-		77-4-1				70 1
Carried forward	1	4	8		Total			_	13 4

## No. 1,024.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.

Long.

### Fourth Hole, in the High Part of the Wood.

Soil and stony clay 1 4 6 Sand, with a small feeder of water 0 1 8	Brought forward 2 0 2 Stony clay 5 0 0 Blue metal 0 1 4
Carried forward 2 0 2	Carried forward 7 1 6

# No. 1,024.—HAMSTERLEY.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 10		
Soft black metal, with	٠	_	٠				Grey metal or thill	0	1	0		_	•
girdles	1	1	10				Brown metal	Ŏ	õ	-8			
COAL, with water							Brown and blue scamy						
•				8	4	5	metal	0	8	4			
Grey metal, with brown							Grey post girdles, with						
scames	0	2	0				blue scamy partings	0	4	6			
White grey metal	0	3	0								_	_	_
Blue metal, with cat-							1				1	3	6
heads	0	3	6										
Black metal, scared							1						
with coal	0	0	8				į						
COAL	0	1	0	_			1						
	_			1	4	2	ļ						
Carried for	war	d		10	2	7	Total		•••	=	12	0	1

# No. 1,025.—HAMSTERLEY.

### TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.

, Long.

## Fifth Hole, in the middle of the Wood.

				1	
Soil and stony clay				Fa. Ft. In.	Fa. Ft. In. Fa. Ft. In. Brought forward 6 5 11
Soft grey metal					Black and blue metal 0 3 0
	U		U		
Grey metal, mixed	_	_	_	Į.	COAL, with Ft. In.
with coal	O	U	6		water 1 0
Grey and brown scamy					Blue metal 0 1
metal	0	8	0		COAL, with
Black slaty metal				1	water 2 0
COAL, with a small	•	•	_		0 3 1
siping of water	Λ	^	77		
					8 0 0
Grey metal or thill	U	1	U	1	Grey metal or thill 0 1 0
Brown metal, with					Grey post 0 1 0
brown girdles	0	1	8		Grey metal 0 4 0
Grey post girdles, with				1	COAL 009
metal partings	1	0	0	l	Black slaty metal 0 0 9
Grey post girdles, with	•	٠	٠		Grey metal 0 1 6
	-		^	Į.	COAL O C
water	T	T	U		COAL 0 0 6
Blue and brown scamy				1	Grey metal 0 3 0
metal, with brown					2 0 6
and grey post girdles	1	3	0		
		_			
Carried forward	6	5	11	ı	Total 10 0 6

### No. 1,026.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.

Sixth Hole, in the Pasture Ground, near the bottom of the Wood.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown gravelly clay, with a small	Fs.	Ft.	In.	Fs. Ft. In.	Brough Brown metal						Fs.	Ft. ]	n.
siping of water near					scames	***	788						
the bottom	1	0	0		Blue and bl	ack n	ietal	0	3	6			
Blue and brown scamy					COAL, wit	h wat	er	0	2	3			
metal	1	0	0		Black metal			0	0	9			
Blue and black metal					Grev metal			1	3	0			
COAL					Grey metal Whin girdle		-	0	0	6			
Soft black and brown		-	-		Grey metal			1	0	0			
metal	0	0	10		COAL	***	***	0	0	6			
Brown and grey open		-	10		Grey metal	***	***	o	5	8			
post, with brown scamy partings and					Grey metal	***		_		_	10	0	2
water	1	4	0										
Carried forward	4	1	0			Total					10	0	2

## No. 1,027.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.

, Long.

Strata bored through in Hamsterley Estate, belonging to Robert Surtees, Esq.

	Fs.	Ft.	In.	Fs.	Ft.	In.					Fs.		In.
Strong grey and brown							Brought forward	5	3	1	11	5	11
post	4	0	0				Grey metal	0	5	0			
Black metal, mixed							Brown post, mixed						
with coal	0	0	6				with whin	0	1	6			
Brown metal		1	6				Grev and brown metal						
Grey metal			0				girdles	2	0	9			
COAL			10				Grey post		4	0			
	_	_	10	7	0	10	Grey metal girdles		Ô				
Brown metal	4	9	0		-	10	Grey post, with water			0			
Grey and brown metal,		-	U				Grey metal			4			
mixed with whin	0	9	6				Grey post	ó	4	0			
COAL		0	100					-	A	4			
	U	U	,		+	1	Grey metal			*			
D. Sandara	-	-	-	4	0	1	Into whin (got, March	0					
Brown post			6				30th)	U	2	9	00		-
Black grey metal	0	3	0								32	2	D
Grey and brown metal Whin (got, Oct. 14th;	2	2	7										
through, Dec. 14th)	2	2	0										
Carried forward	5	3	-	11	5	1;	Total				74	9	-

#### No. 1,028.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Lat.		,	Long.	
		s Eas	at of the B	oathouse, by the
feet	above	sea (C	Ordnance d	atum).
-4. 	***		2 0 0	Fs. Ft. In. 8 0 0
	***	***	***	8 0 0
	feet	use, 100 yard iver-side. feet above	use, 100 yards Easiver-side. feet above sea ((	ruse, 100 yards East of the Briver-side.  feet above sea (Ordnance d  Fs. Ft. In.  2 0 0  6 0 0

#### No. 1,029.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Account of a Boring, 300 yards East from the Burn running through the Harbour House Estate.

Approximate surface level feet above sea (Ordnance datum).

Sand, clay, and gravel Shale, &c	 ***	***	7 3 1 3	In. F 0 0	s. Ft. In.
COAL—Hutton Seam	 	***	0 4	4	9 4 4
Total	 ***				9 4 4

#### No. 1,030.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 49′ 33", Long. 1° 33′ 24".

Strata sunk through in the Northernmost Shaft at Harbour House, the surface being about 12 fathoms above River.

Soil and clay						F8,	Ft.	In. 3	Fs.	Ft. In.	
Freestone, &c.	***	***	***	***		8	2	0			
COAL—Brass	Thill S	eam	***	***	***	0	2	7	100	100	
Freestone, shale,	&c. (to	top of	Hutton	Seam)	***				9 5	4 10 4 6	
	Total	***		***				*	15	3 4	

<sup>\*</sup> Approximate sea level 113 feet below this.

#### No. 1,031.—HARBOUR HOUSE MOOR.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. about 54° 49′ 13″, Long. 1° 33′ 51″,

Approximate surface level 40 feet above sea (Ordnance datum).

Account of a Boring in Harbour House Moor, near Cocken Ford, on the West Side of the River.

						3	0	0	F5.	Ft.	In.
			***	***		10	2	0	=	-	
		***	***	***		3	0	0			
		***	***	***	***	-					
			***	***				-			
eam.)										0	
									19	0	0
Tota	al	***		***	***			_	15	0	0
	eam.)			eam.)	eam.)	eam.)	3   3   3   3   3   3   3   3   3   3	wel 3 0 3 0	wel 3 0 0 0	wel 3 0 0 3 0 0	

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,032.—HARBOUR HOUSE MOOR.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 49′ 9″, Long. 1° 33′ 51″.

Strata bored through in Harbour House Moor, near Cocken Ford.

				Ft. In.						Fs.	Ft.	In.
Sand, with gravel	3	0	0		Brought forwar	rd 1	5	0	2			
Sand, with large tum-					Strong grey post gird							
blers	3	2	0		Soft freestone	(	)	2	10			
	0	2	0		Hard grey whin							
Gravel, with water	1	5	0	- "	Strong grey post	1	3	3	9			
Soft clay, mixed with					Hard grey whin, wi							
sand and water	2	3	0		water	(	)	1	4			
Soft sand, very quick	1	0	0		Strong grey post	]	1	4	3			
Soft sand, with gravel					Dark grey metal	3		0	0			
and water		0	2		COAL, coarse	(	)	1	4			-
					Property of the Parket of the	-	-		-	22	3	24
	_	_	-									-
Carried forward	15	0	2		Carried	forwa	rd			22	3	23

<sup>·</sup> Approximate sea level (Ordnance datum).

## No. 1,032.—HARBOUR HOUSE MOOR.—CONTINUED.

Brought forward						In. 23	Fs. Ft. In. Fa. Ft. In Brought forward 5 3 2 33 3 2
Dark grey metal							Strong white post, with
Dark post, with metal							water 2 0 01
partings and water	3	4	1				Grey metal, inclining
Strong grey metal,							to post 2 4 11
with post girdles		0	0				to post 2 4 11 Strong white post 5 2 5 Grey post 2 0 0
Grey metal, with part-	-	-	-				Grev post 2 0 0
ings	1	5	0	1			Strong white post, with
Hard post girdle							girdles and water 2 0 0
Strong grey metal							Dark grey metal, mixed
Blue metal							with coal 0 1 4
COAL, foul							COAL, good 0 1 10
				10	-	113	
Grey metal thill				10	0	114	20 1 8
		4	U				Strong grey metal 0 1 3
Strong grey metal,		-					Strong white post 5 2 101
with partings	0	0	0				- 5 4 1
Grey whin girdles	0	0	8				
Carried forward	-	0	0	99	0	21	Total 59 3 0
Carried forward	9	0	2	00	3	49	

# No. 1,033.—HARDWICK.

TOWNSHIP OF GRINDON, DURHAM.

Sheet 44 of Ordnance Map. Lat.

, Long.

#### Account of the Borings in Hardwick Estate.

First place, near Thorp Leazes, about a quarter of a mile West of Grindon, and about 100 yards West of the Turnpike Road leading to Stockton. May 30th, 1810.

				Fs. Ft. In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	9		Brought forward	13	5	0			
Brown stony clay	1	0	0		Gravelly clay, with a						
Brown stony clay, with					mixture of sand	0	3	0			
sandy partings	5	5	3		Stony clay, with whin						
Sandy gravel, with a					tumblers	4	5	0			
siping of water	0	1	3		Sand	0	2	0			
Brown stony clay, with					Stony clay	0	2	3			
sandy partings	4	2	9		Sand, with water near		7	-			
Sand and gravel	0	4	0		the bottom	2	0	9			
Brown stony clay									22	0	0
	_		_								-
Carried forward	10	5	0		Total				99	0	0
Carried forward	10	9	U		Total			-	44	0	U

## No. 1,034.—HARDWICK.

TOWNSHIP OF GRINDON, DURHAM.

Sheet 50 of Ordnance Map. Lat. , Long.

Second place, in one of Mr. Stonehouse's Fields, near the Brook side, by Thorp.

June 19th, 1810.

	Approxim	ate st	urrace	lev	61		feet above sea (Ordnance datum).
Soil Stony clay Leafy clay Sand Leafy clay Sand Leafy clay Brown stony hard tumb Red stony cl Red and gr or marl	lers	0 4 0 1 0 0 0	Ft. In. 2 0 4 0 3 6 4 0 3 6 4 0 1 0 3 0 5 6	Fs. 18		In. 6	Brought forward Light brown thready limestone, with partings, and a very strong feeder of water at 19½ fathoms Layers in beds of lime- stone from 6 to 9 inches thick, with marly partings from 2 to 3 inches thick 6 3 0  7 3
Carried	forward			18	3	-6	Total 26 0
wash all aw them in the	clay.			no I	N	To.	the splices then failing the rods got behing the splices then failing the rods got behing the splices the spline the splices the spline the spline the
					Jun	e 20	Oth, 1810. Fs. Ft. In.
In	sand, with	wate	er	-		-	200
In	sand, with	wate	er		··· N	To.	<u>2 0 0</u>
In				t 40			<u>2 0 0</u> 1,036.
In					0 y	ard	1,036.  s West from the above when the vel appears.
		lace,			0 y	ard	1,036.  West from the above when the
	Fourth p	lace,	abou		0 y d	ard	1,036.  s West from the above when the el appears.  Fs. Ft. In.
San	Fourth p	olace, vel	abou	Red	O yed G	ard Fran	1,036.  s West from the above when the rel appears.  Fs. Ft. In.  1 2 0
San F	Fourth p	vel	abou	Rest A	O yed G	o.	1,036.  s West from the above when the rel appears.  Fs. Ft. In.  1 2 0  1,037.  the Field below Mr. Stonehouse's, rook side.  Fs. Ft. In. Fs. Ft. In.  0 1 6
San F	Fourth p	vel	abou	Rest A	N Side	ard Hran	1,036.  s West from the above when the rel appears.  Fs. Ft. In.  1 2 0  1,037.  the Field below Mr. Stonehouse's, rook side.  Fs. Ft. In. Fs. Ft. In.  1 1 6  bottom 1 1 6  1 3 0
San F	Fourth p	vel , in t.	abou	Rest A	N Sidder N	ard france of see E	1,036.  s West from the above when the rel appears.  1,037.  the Field below Mr. Stonehouse's, rook side.  Fs. Ft. In. Fs. Ft. In. O 1 6 bottom 1 1 6 1 3 0
San F Soi Sof	Fourth pad and gra	vel , in t.	he W	Rest A	N Sidder N	ard france of see E	1,036.  s West from the above when the sel appears.  1,037.  the Field below Mr. Stonehouse's, rook side.  Fs. Ft. In. Fs. Ft. In. of 1 6 bottom 1 1 6 1 3 0 1,038.  s East from the above. Fs. Ft. In. Fs. Ft. In. Fs. Ft. In.
San F Soi Sof	Fourth pad and gra	vel , in t.	abou	Received by	N Sidder N	ard france of see B	1,036.  s West from the above when the rel appears.  1,037.  the Field below Mr. Stonehouse's, rook side.  Fs. Ft. In. Fs. Ft. In.  0 1 6 bottom 1 1 6  1,038.  s East from the above.

#### NORTHUMBERLAND AND DURHAM.

## No. 1,039.—HARDWICK.

TOWNSHIP OF SEDGEFIELD, DURHAM.

Sheet 44 of Ordnance Map. Lat.

, Long.

Hole bored in Hardwick Estate, South-east from Layton. November 29th, 1810.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.		Ft.	In.
Soil	0	1	0				Brought forward				32	5	0
Stony clay, with tum-							Soft whitish brown						
blers	5	1	0				marly limestone,						
Sand		4					with hard girdles,						
Stony clay, with tum-	8	-					and set away some						
	8	2	0				water at 36 fathoms,						
Sand							and raised some at						
Sand, with a mixture	0	0	U				38 fathoms	0	1	1			
	1	0	0						i	6			
of clay	-	0	0				Red marl						
Stony clay	9	0	0				Limestone, with water	0	1	2			
Sandy brown lime-	-	-	4				Red and brown marl	0	2	0			
stone tumbler			5				Strong whitish brown						
Stony clay	3	0	0				limestone	0	0	6			
Leafy clay, with scares							Marly partings and						
of sand	1	0	0				thin girdles	1	0	0			
Stony clay	5	1	7				Whitish limestone	0	5	6			
	_	_	_	32	5	0	Soft marly limestone		2				
				-	21			_		_	14	2	0
							Soft marly limestone,						100
							with hard nodules						
							or girdles				7	0	0
							or granes		***		-		_
Carried forward				32	5	0	Total				54	1	0
Omizzed tot water		3.5		-	-	-	Louis			=	-	-	_

# No. 1,040.—HARDWICK.

TOWNSHIP OF BISHOP MIDDLEHAM, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Strata bored through in No. 1 Hole upon the Hardwick Royalty, about 500 yards
West of Sprucely Farm House, by the Roadside leading to Hardwick
House. By William Coulson. Commenced July 1st, 1838.

				Brought forward 8 1 0
	7.	1	X-	Limestone marl 2 0 0 Mild limestone, with
8	0	0		water 15 1 0
8	1	0		Carried forward 25 2 0
	8	8 0	0 1 0	8 0 0

# No. 1,040.—HARDWICK.—CONTINUED.

		_		_			
Brought forward					Ft.	In.	Brought forward 8 0 2 47 1
Strong limestone, with	10						Red metal and metal
water Mild limestone, with	18	0	0				stone, inclining to post 2 3 3
water	2	5	10				White and brown post,
Strong limestone, with							with red partings,
water	0	5	11	100			red and white post, and water 3 3 8
	-		-	47	1	9	Red and white post 2 1 4
Soft blue metal Strong grey metal, with post girdles	0	0	3				Main Coal Seam—
and water	0	2	11				COAL 1 61
strong brown free-		-	-				Band 0 11 COAL 2 71
stone or sandstone							
oft light blue metal drey metal, mixed	U	0	0				— 0 4 3½
with post and coal							17 0
pipes Strong brown post,	1	0	5				Into grey metal 0 4
with water	0	5	8				The state of the s
Carried forward	8	0	2	47	1	9	Total 65 0

#### No. 1,041.-HARDWICK.

TOWNSHIP OF BISHOP MIDDLEHAM, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Strata bored through in No. 2 Hole upon the Hardwick Estate, about 150 yards to the East of Bishop Middleham Village. By William Coulson. Commenced February 26th, 1839.

Sandy soil			In. Fs. Ft. In.	Brought forward				Fs.	Ft.	In
Mild limestone, with water		0	0	Mild limestone, yellow and gullety, with						
Hard limestone, with		1	10	water (got through, May 25th)	2	5	0			
Mild limestone, with	2	1	8	Grey metal, with post	-	_	-	30	5	4
Strong limestone, with water	0	5	8	girdles	0	4	9			
Carried forward	28	0	2	Carried forward	0	4	9	30	5	1

# No. 1,041.—HARDWICK.—CONTINUED.

			_		-	_			200	-	-		-
Brought forward	Fs.	Ft.	In.	Fs. 30	Ft.	In.	Brought forward				Fs. 58	Ft.	In.
Strong brown free-	0	-20		00		~	Strong grey metal.		-		00		
stone or sandstone,							Strong grey metal, with iron girdles,						
with water	3	0	1				and scared with coal						
Strong red post, with							in some places	2	1	7			
water	0	2	9				COAL, foul	0	3	0			
Brown post, with water	0	5	10							_	6	1	4
Strong red and white					-		54				-	-	-
post, with metal	0						Strong grey metal and						
parting and water	1	3	8				metal stone, mixed	0					
Red metal	0	1	1				with post in places	2	2	7			
Blue metal, with some			_				Dark grey metal, mixed						
thin post girdles	3	3	0				brassy coal at bot-	0	1	2			
COAL	0	3	0				Strong grey metal and	.0	*	-			
	-	-	_	11	0	2	metal stone, mixed						
Grey metal	0	0	3				with post and some						
Black metal, mixed	v						water	3	3	4			
with coal	0	0	11				Grey metal, mixed	-	_				
Dark grey and white	-	-	-				with coal and water	0	2	10			i.
scamy post, mixed							Strong white post	0	4	0			
with metal at top							Strong grey metal,						
and some water	6	3	9				with post girdles at						
Grey metal and metal							top and ironstone						
stone	0	3	7				girdles at bottom	2	5	1			
Black metal, mixed							COAL, foul	0	0	4			
with coal and water	0	2	2							_	10	3	4
Dark grey metal, with												-	
scares of coal	0	3	5				Grey metal	0	0	10			
Grey metal and metal							Stony white and grey						
stone, with post in	-	-	-				post, with metal	0	9	7			
places, and water	2	2	2				Stony gray metal and	2	0				
COAL, foul or splint	0	0	7				Stony grey metal and metal stone, with						
	_	_	_	10	4	10	nost oirdles	3	4	6			
Grey metal	0	2	5				post girdles Black metal		ō				
Black metal, with	-	~	-				Blue metal, darkish in	-					
scares of coal	0	2	9				places, and iron-						
Strong grey metal and	100	=	9				stone girdles	1	1	11			
metal stone, with							Dark grey and black						
post girdles	2	1	1				metal	1	1	5			
Whin (got, July 19th;							COAL, foul, mixed						
through, July 22nd)	0	0	7				with metal	0	0	8			
Strong grey metal,							Strong grey metal and						
with post girdles		0	3				metal stone, mixed			-			
and coal pipes	0	5	1				with post	4	0	5			
Dark grey metal, with							Dark grey metal, with		12	-			
post girdles near the	4						post girdles		1	7			
bottom			6				COAL STO						
COAL, foul at bottom	0	2	10				COAL 2 10						
	-		-	6	1	3	Grey metal 0 3						
Strong grey metal and							COAL, foul 0 7		-				
metal stone, mixed								0	3	9			
with post	3	1	3					-		_	14	1	6
Whin, mixed with grey		1	1				Into more motal					2	2
post (got, Aug. 8th;							Into grey metal				0	4	4
through, Aug. 13th)	0	1	6				1						
,		1											
							100						
	-	-	_	-	+	-					-		-
Carried forward	3	2	9	58	5	5	Total			1	90	1	9
					17	-	*			-			

## No. 1,042.—HARESHAW.

TOWNSHIP OF CHARLTON EAST, NORTHUMBERLAND.

Sheet 60 of Ordnance Map. Lat. 55° 10′ 7″, Long. 2° 18′ 7″.

Section of Strata at Bowrigge, or Bearsmouth, on Hareshaw. 1846.

Approximate surface level 605 feet above sea (Ordnance datum).

Clay	COAL 0 Black bitumi- nous shale 2 COAL 2 COAL 2	one 0 3 0 ale 0 0 6 . In. 6
Dark coloured shale 1 2	3 0	
Carried forward 2 0	O 0 12 8 10 Total	<u>•16 0</u>

<sup>•</sup> Approximate sea level 508} feet below this.

#### No. 1,043.—HARGILL.

#### TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 83 of Ordnance Map. Lat. 54° 41′ 31", Long. 1° 45′ 20".

Section of Strata at Hargill Colliery, Witton-le-Wear, near Bishop Auckland.

Approximate surface level 490 feet above sea (Ordnance datum).

Soil Clay Blue metal			0 1	1 3	9	Post	Brougl  metal			3	3	6	Fs.	Ft.	•
Carried	l forwa	rd	3	8			arried	forw	ard	4	4	11			

#### No. 1,043.—HARGILL.—CONTINUED.

Brought forward  Main Coal or Brock- well Seam— Pt. In. COAL 1 4			In. 11	Fs.	Ft.	In.	Brought forward Black band	8 0 0	3 0 0	10 5 3		Ft. 4	
Band 0 2 COAL 4 6	1	0	0				coal — Victoria Seam (or seam lately worked at Victoria	1	1	3			
	-	-	-	5	4	11	Colliery)	0	1	7			
Good fire clay White clay and blue	0	1	6								10	1	4
metal Grey metal, with post	2	4	8				Hard and very inferior clay				0	2	0
girdles Blue metal	1	2	7										
		1	5										
Very inferior fire clay	0	5	8										
Carried forward	8	3	10	5	4	11	Total				16	2	3

<sup>\*</sup> Approximate sea level 3913 feet below this.

## No. 1,044.—HARGILL.

TOWNSHIP OF HOWDEN-LE-WEAR, NEAR DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Borehole at Hargill Colliery, Howden-le-Wear, near Bishop Auckland.

		Fs.	Ft.	In.	Fs. Ft.	Fa. Ft. In. Fa. Ft. I
Strong white post	***	4	0	0	-	Brought forward 11 0 3
Sand		0	0	6		Seam worked at Mar-
White post	***	2	3	6		shall Green Drift-
Blue metal		1	0	3		Ft. In.
White clay		0	5	0		COAL 0 71
COAL pipings		0	0	6		Band 0 2
Blue metal		2	2	6		COAL 0 71
						- 0 1 5
						11 1
						Very hard post 0 0
Carried forwa		11	0	3		Total 11 1 1
Carried forwar	ru	11	0	9		Total 11 11

#### No. 1,045.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat.	Lat.	13.	Man	Ordnance	of	86	Sheet

, Long.

Borings at Harlow Hill. First Hole.

Approximate surface level feet above sea (Ordnance datum).

Clay COAL Clay Grey stone			0 0	0 0 1	6	Brough COAL Black stone COAL	744	ard	0	5	4 3	Fa. Ft.
Carried	forwar	rd	4	5	4	1	Total					6 3

#### No. 1,046.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Second Hole, about 150 yards North of William Smith's House.

Approximate surface level feet ab

feet above sea (Ordnance datum).

Clay Soft white p COAL In the thill	oost		 	 	Fs 1 0 1 0	5 3 0 1	In. 0 6 3 3	Fs. 3	Ft.	In.	
		Total	 349	 1441		***		3	4	0	

#### No. 1,047.—HARLOW HILL.

TOWNSHIP OF HABLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. ,

Third Hole, about half way between the First and Second.

Sand and a Freestone Cash			1 1 0	1 2 2	000	Brough Grey metal COAL			***	0	1 2	0	F
Carrie	d forwa	ard	3	1	0	Carried	f	orwa	rd	3	3	2	

## No. 1,047.—HARLOW HILL.—CONTINUED.

Brought forward Grey metal	3	Ft. 3	2	Fs.	Ft. In.	Brought forwa	rd 1	Ft.	In. 2	Fs. 6	Ft.	In. 10
COAL 2 1							0					
Grey metal 0 8 COAL 0 11	0						-	-	-	3	3	5
	0	_	8		1 10							
Grey metal	1	1	2									
Carried forward	1	1	2	6	1 10	Total				9	5	3

## No. 1,048.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Fourth Hole, 19 yards 1 foot North-west from the Third Hole.

Approximate surface level feet above sea (Ordnance datum).

Clay Soft white post COAL	***	 	 	Fs. Ft. In 2 3 0 0 3 6 0 3 6		Ft.		
Soft blue grey thil	1	 	 		0	1	0	
г	otal	 	 	***	3	5	0	

# No. 1,049.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat.

, Long.

Fifth Hole, 30 yards North from Second Hole.

Clay Blue grey metal COAL Blue grey metal COAL		3 2 0 0	0 3 0 2	0 2 1	Brought forw Blue grey metal COAL Blue grey metal	 Fs. 6 0 0 0	1 0	3 5 4	Fa.	Ft.	Iu. 0
Carried forwa	ard	6	1	3	Total				6	4	0

# No. 1,050.—HARLOW HILL.

#### TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat.	, Long.
Sixth Hole, 45 yards East from	Second Hole.

Approximate surface leve	feet above sea	(Ordnance datum).

Clay				•••					In. 0		Pt.	In.
						Ft. In.						
COAL	•••	•••	•••	•••	• • •	15						
Grey metal	•••		•••	•••		0 2						
COAL	•••	•••	•••	•••		0 10						
							0	2	5			
Grey metal	•••	•••	•••	•••		•••	0	2	0			
•						•				2	4	5
	•	<b>Fotal</b>		•••						2	4	5

## No. 1,051.—HARLOW HILL.

#### TOWNSHIP OF HABLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Seventh Hole, 90 yards South-east from the Second Hole.

Clay Dun white post	•••			 		0 3 0	5 4 2	0 6 6	Pa.	Pt.	In.
Blue grey metal	thill	•••	•••	•••	•••	<u> </u>	1	<b>0</b>	5	1	0
,	Total						••		5	1	_0

#### No. 1,052.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat.

, Long.

Eighth Hole, half way between Second and Seventh Holes.

Approximate surface level feet above sea (Ordnance datum).

Clay Dun white post COAL Blue grey metal					***	Fs. Ft. In. 1 0 6 2 4 7 0 2 8 0 0 7	Fs. 4	Ft.	In.	
	Total	***	***	***	***		4	2	4	

## No. 1,053.—HARPERLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Second Hole at the Terminus of the Bishop Auckland and Weardale Railway, near Hope's New House, the Railway Tavern, at Crook, upon the Harperley Estate. 1839.

ellow clay trong blue clay	0						
ellow clay	0	3	- 25				Brought forward 3 3 2 5 0 9
rong blue clay	0		0				Dark grey metal 0 3 0
	20.	1	8				Grey metal and post
trong grey metal,			-				girdles 1 0 0
with water	1	1	10				Grey post, with water 3 0 0
			10				Dark grey metal, with
OAL, with a							
spring of wa- Ft. In.							post girdles 1 2 0
ter 3 5							Ft. In.
and 0 4							COAL 2 4
OAL 1 6							Band 0 51
-	0	5	3				COAL 0 8
	_	_	_	5	0	9	
ark grey metal, with				-	-		Band 1 10
scares of coal	0	1	1				COAL 4 4
	U	-	+				- 1 3 71
rey metal, with post	-	-					
girdles and water	1	0	0				Splint 0 0 4
trong white post,							——————————————————————————————————————
with water	2	0	0				
OAL, with water							
- Committee of the Comm			_	_		_	
Carried forward	3	3	2	5	0	9	Total 16 0 101
Carried forward	0	9	-	9	0		10 010
							8

#### No. 1,054,-HARPERLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.

, Long.

Account of Strata bored through in the Harperley Royalty, near Crook. January 3rd, 1840.

Approximate surface level

feet above sea (Ordnance datum).

	Fs.	Ft.	In	Fs.	Ft.	In.	I was to be a second				Fa.	Pt.	In.
Soil	0	1	0				Brought forward	0	1	2	14	5	7
Yellow clay	0	1	0				Strong grey metal						
Strong blue clay	0		0				stone, with post						
Gravel, with water	0	3	6				girdles	2	3	0			
Strong clay	1	2	0				Grev metal	1	0	. 0			
Soft brown freestone							Dark grey metal	0	1	9			
Brown and white free-							water 2 3						
the water	2	3	0				Dark grey metal 1 2						
the water Strong grey post	3	0	0				COAL 0 10	-					
COAL, with water	0	5	2					0	4	3			
	_		_	10	0	8	2 2	_		-	4	4	2
				-	-	-	Dark grey metal, with	-	-	-			
Dark grey metal, with	-		-				scares of coal	0	3	0			
scares of coal	0	1	0				Grey metal stone, with						
Grey metal, with post			-				post girdles						
girdles		3	7				Grey post, with water	1	0	0			
Strong white post,							Dark grey metal, with						
with water	1	0	4				water	0	5	0			
Strong grey metal,							Ft. In.						
with post girdles	2	0	0				COAL 4 4						
Grey metal	0	3	11				Splint 0 5						
COAL, with water	0	2	1					0	4	9			
a a constant and a constant						**			_	_	4	0	
	-			4	4	11	Dark grey metal	1	0	0		-	
Dark grey metal, with							Strong white post,	-	-	-			
scares of coal		1	2				with water	0	1	R			
							with water	0	-	0	1	7	
											1	+	
Carried forward	0	1	2	14	5	7	Total				25	0	(
Curricu Ioi mai u	2	-	-	-		*	2000			=			

#### No. 1,055.—HARRATON.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat.

, Long.

Account of the boring of a Hole from the bottom of a Staple in the Boundary Pit, between the Boundary Pit Dyke and the Main Dyke, in Harraton Outside Colliery. Begun April 6th. finished August 21st, 1819.

Sunk to the Hutton	Fs. Ft.	In. Fs. Ft. In.	Brought forward			In. Fs. Ft. In
Seam Box	0 1	6 80 0 0	Grey metal stone, with strong girdles	4	4	6
Carried forward	0 1	6	Carried forward	5	0	0

## No. 1,055.—HARRATON.—CONTINUED.

Brought forward Dark grey metal stone,				Fs.	Ft.	In.	Brought forward Whitish grey metal				Fs. 19		
with strong girdles	1	5	6				stone, with post						
White post, with water							girdles	0	4	6			
Grey metal stone							girdles Grey post	1	5	0			
COAL, with much		~					Grey metal, with a	*	U				
sulphur	0	7	0				scare of coal near						
surprior	0	*					the bottom and sul-						
	_	_	-	10	3	6	phur	0	1	0			
Darkish grey metal							Grey metal stone, with	U		-			
stone, with girdles		3	9					0	0	4			
A whin girdle	0	0	4				post girdles  Harvey Seam—	2	U	*			
A whin girdle Grey girdly metal,		-	*										
with sulphur	2	0	2				COAL 0 10						
Blackish metal stone	ō	3	0				Coome elete						
COAL							Coarse slaty band 0 1						
	_		_	5	1	9	COAL, with						
	-	_	-	~	-								
rey metal	0	0	6				water 0 6	•	4	-			
White and grey scared	-	-	-				_	0	1	D			
post	1	3	6				D			_	8	4	
Darkish grey metal							Dunnish grey metal						
stone, with sulphur	3		-				stone, with post and		-				
and water							whin girdles	3	1	+			
Strong white post	0	3	0				White post	4	2	4			
Grey metal stone	0	2	10				Grey metal	0	0	2			
COAL, foul, with							Ft. In.						
water	0	0	6				COAL 1 5						
	_		_	3	4.	4	Brownish grey					-	
		-	-	-	-	-	metal stone 0 4						
rey metal	0	2	0				COAL, foul 0 2	_					
Grey metal and metal							-	0	1	11		-	
stone, with much								_	4	-	7	5	
sulphur and a strong							Grey metal						
blower at 21 fms.			-				Grey metal stone	0	4	0	-	-	
4 ft	1	4	0					_	-	_	0	5	
Strong whitish grey											-	_	
post, mixed with		-	_								3.5	0	
whin	1	3	8				To thill of Hutton Seam	100			80	0	
Carried forward	2	3	8	10	2	7	Total			-	117	0	-
Carried forward	0	0	0	10	0		Total			1 2	TTI	U	

# No. 1,056.—HARRATON.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the New Pit, about half a mile West of Fatfield Stables Farm House, Harraton.

Outset 1 2 0  Brown and blue clay and sand (chinley	Fs. Ft. In. Fs. Ft. In.  Brought forward 10 0 0 0  White sandy post 6 0 2  COAL 0 0 6
clay) 8 4 0	16 0 8
Carried forward 10 0 0	Carried forward 16 0 8

#### No. 1,056.—HARRATON.—CONTINUED.

Brought forward   Freestone, shale, etc   19   1   7   COAL     0   2   2	16	Ft. 0	In. 8	Brought forward Freestone, shale, etc 8 0 11 COAL—6/4 Seam 0 3 10 ————————————————————————————————————
Carried forward	35	4	5	Total 44 8

## No. 1,057.—HARRATON.

#### TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

#### Harraton New Up-cast Shaft.

#### Approximate surface level feet above sea (Ordnance datum).

Clay, sand,	and gr	avel				Fa. Ft. In. Fa. Ft. In 20 4 0
COAL			•••	•••	•••	0 2 0
Strata	•••	•••	•••	•••	•••	11 1 5
COAL	•••	•••	•••	•••		0 3 6
						12 O 11
		Total	•••	•••		32 4 11

## No. 1,058.—HARTFORD.

#### TOWNSHIP OF WEST HARTFORD, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 6′ 13", Long. 1° 35′ 49".

#### Account of the Strata in the Athey Pit, Hartford Colliery. March 3rd, 1858.

In box Fs. Ft. In. Fs. Ft. In. In box 11 3 0 15 3 0	Brought forward 35 3 0  Coal pipe post 0 0 6  COAL 0 2 9	s. Ft.
Strong white post, mixed with whin 8 3 0	COAL 0 2 9 3	6 0
Carried forward 35 3 0	Carried forward 3	6 0

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,058.—HARTFORD.—CONTINUED.

D			Fs.	Ft.	In.		Ft.		D14 61				Fs.	Ft.	
Broug	nt tory	vard				36	0	3	Brought forward	9			39	1	2
Grey thill	•••	• • •	0	3	3				Grey post	1	3	0			
Blue metal			2	3	0				Brown girdle	0	1	0			
COAL	•••	•••	ō		8				Grey stone, mixed			_			
						_	_		with girdles	1	3	0			
					_	3	U	11	Blue stone	Ō		0			
Grey thill	•••		0	3	0				COAL	0	5	5			
Grey post,	mixed	with												_	_
girdles	•••	•••	1	3	0					_		_	8	3	5
Whin	••		0		0				Grey thill				0	0	5
Grey post	•••		1	3	0				_						
Grey post Whin	•••	•••	0	1	0										
(1			_	_	_	_	_	_	<b>—</b>				_		
Carried	I TOPW	ard	4	0	0	39	1	2	Total		•••	=	47	_5	_0

## No. 1,059.—HARTLEY.

#### TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 45", Long. 1° 28′ 16".

Account of the Whin Pit, Hartley Colliery. By John and Robert Watson.
August, 1754.

Earthwork 8 0 0 Grey metal 1 3 0 Grey post \$\frac{5}{5} \frac{2}{2} \frac{0}{0}\$  Grey metal, with post girdles 1 3 0	Fs. Ft. In. Fs. Ft. In.  Brought forward 22 0 0  Metal Coal Seam—  COAL 1 6  Grey metal stone 1 4  COAL 2 0
***************************************	
Carried forward 22 0 0	Carried forward 22 4 10

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,059.—HARTLEY.—CONTINUED.

Brought forward Blue metal	8			22	Ft. 4		Brought forward COAL - Main Seam	0	1 4	8 6	22	4	10
Strong sharp black metal		1	8					-	7		9	0	2
Carried forward	8	1	8	22	4	10	Total			-	31	5	0

I am of opinion that the Metal Coal is the seam which Mr. Shallet is at present endeavouring to win at Chirton.—J. W.

July, 1755.—Although I was of opinion, in August. 1754, that this was Hartley Metal Coal, I am now more fully of opinion that it is Long Benton Seam, as it seems to be so by many convincing symptoms.—J. W.

#### No. 1,060.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Boring at nigh Gouldness (Golden) Hole, for the use of Francis Blake Delaval, Esq. Begun 30th October, 1754.

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. I	
Soil and clay	0	2	0				Brought forward 4 5 3 14 0	9
Grey metal	2	3	0				Grey metal 0 1 0	
Grey post, with metal							Grey metal 0 1 0 White post 2 2 0	
partings	1	1	0				Grey stone 0 4 6	
Grey post, with whin							Grey post, with metal	
	3	0	0				partings 1 0 6	
Black metal							Grey metal, with cat-	
COAL	0	0	9				heads 1 4 0	
	_		_	7	4	9	Blue metal 0 1 6	
Grey metal stone	5	4	0		-		Black metal, with cat-	
Black metal			3				heads 0 1 6	
			9				and the same of th	
COAL	0	0	0	6	2	0	COAL 1 2	
Communital	1	0	0	0	-	0	COAL, mixed	
Grey metal								
	0	D	3				with black	
Grey post, with metal		-					metal 2 0	
partings							- 0 3 2	=
White post, with water								D
Blue metal			6				Thill and grey metal 0 1 4	
Black metal	0	2	6				Grey metal stone 2 1 6	
Carried forward	4	5	3	14	0	9	Carried forward 2 2 10 26 0	2

## No. 1,060.—HARTLEY.—CONTINUED.

Carried forward	2	5	0	44	3	6	Total			-	60	1	0
Grey metal stone	1	4	6				Grey thill				0	1	6
hend girdles		4						-	-	-	3	0	6
Blue metal, with cat-		-	0				COAL	-	4				
Grey thill Grey metal stone			6				Black metal	-	4	-			
brown scamy metal	-	3	0	2	5	6	whin girdles Blue metal, with cat-		4				
pipes coal, with	0	2	6				girdles Grey scamy post, with	0	3	8			
Grey metal stone Black metal, with coal	1	4	0				Grey thill Blue metal, with whin	0	0	4			
Thill and grey metal	0	2	0		0	0	OOAL	_	U	_	5	1	0
bands metal	0	2	4	7	3	0	head girdles (Mussel Scalp) COAL	0		11			
Black metal	0	1	4				Black metal, with cat-						
Grey metal stone	2	1	4				girdles	3	0	0			
Grey post	2	1 0	3				Grey metal stone Blue metal, with whin	0	1	8			
with coal		3	9				White and grey post	1	3	0			
girdles Black metal, mixed	0	1	6				Grey thill		0		7	0	6
Blue metal, with whin									5	2	-		
White and grey post, with whin girdles	0	3	3				metal bands 1 10						
Grey thill	0	0	3	8	0	10	Grey metal 2 3						
COAL	0	3	6		0	10	COAL Ft. In						
Blue metal, with cat- head girdles			6				head girdles Black metal						-
Grey metal stone	0		0				Grey metal. with cat-						1
Whin Grey scamy post	0 2	-	10				whin girdles Grey metal stone	0	3	6		1	11
White post	0	3	0				Grey scamy post, with					10	1%
Brought forward	Fs.			26	0	2	Brought forward	2			Fa. 44		

# No. 1,061.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Boring upon the Sea Bank, nigh the Bates, Hartley Lordship, from the bottom of the present working Coal. Begun 25th July, 1755.

Grey metal Grey post, with whin	0			Fe. Ft. In.	Brought forward Grey metal, with cat-	Fa. 3	Ft.	In. F	s. Ft. In	3.
girdles Black metal, mixed	2	4	0		heads or girdles Grey post, with metal		3	0		
with coal		1	0	- [	partings		4	0		
Carried forward	3	0	0	1	Carried forward	7	1	0		

## No. 1,061.—HARTLEY.—CONTINUED.

	0 0 9 3 0 0 0 0				White post, mixed with whin Blue metal COAL  Thill and grey metal Mixture of whin and post	0	1 0 0	668 4 0	0	5	
2 4 4 1 3 2 3 0	0 0 9 3 0 0 0 0				White post, mixed with whin Blue metal COAL Thill and grey metal Mixture of whin and	0 0 0	1 0 0	6 8 4	0	5	
2 4 4 1 3 2 3 0	0 0 9 3 0 0 0 0				White post, mixed with whin Blue metal COAL Thill and grey metal Mixture of whin and	0 0 0	1 0 0	6 8 4	0	5	
2 4 4 1 3 2 3	0 0 9 3 0 0 0				White post, mixed with whin Blue metal COAL Thill and grey metal Mixture of whin and	0 0 0	1 0 0	6 8 4	0	5	
2 4 4 1 3 2	0 0 9 3 0 0				White post, mixed with whin Blue metal COAL Thill and grey metal Mixture of whin and	0 0 0	1 0 0	6 8 4	0	5	
2 4 4 1 3	0 0 9 3 0				White post, mixed with whin Blue metal COAL Thill and grey metal	0 0 0	1 0 0	6 8	0	5	13
2 4 4 1	0 0 9 3				White post, mixed with whin Blue metal	0 0 0	1 0 0	6 8	0	5	3
2 4 4	0 0 9				White post, mixed with whin Blue metal	0	1 0	6			
2 4	0				White post, mixed with whin	0	1 0	6			
2 4	0				White post, mixed with whin	0	1				
2	0				White post, mixed	4		2			
				_		0	0				
					Thill and grey metal	0	2	0			
	-				Maria de la companya della companya	-	-	-	2	4	0
3	3				COAL	0	1	0			
-						1		-			
0	0				dant	0					
	-	3	4	0	COAL, mixed with			3			
	6			-	White and grey post	1	2	7	100	-	1
						_	_	_	4	5	N
1			-			ô					
-		11	1	9							
	0				0041						
2	0				701						
-	9				Grev post	0	3		10	2	
	B					0	-	*	12	A	-
9	ń				OOAL 0 7	0	9	4			
. 0	9										
					T. T. 0 -						
3					COLUMN AND AND AND AND AND AND AND AND AND AN						
					COAL						
1	0				Brought forward	13	1	11	14	5	
7 200	1 3 2 2 0 0 2 1 1 2 1 2 0 0 3	1 0 3 6 2 0 0 9 2 0 1 6 2 0 1 0 1 3 2 3 0 6 0 0	1 0 3 6 2 0 0 9 2 0 1 6 2 0 1 0 1 0 1 3 2 3 0 6 3 3	1 0 3 6 2 0 0 9 2 0 1 6 2 0 1 0 1 0 1 1 1 1 1 3 2 3 0 6 3 4	3 6 2 0 0 9 2 0 1 6 2 0 1 0 1 3 2 3 0 6 0 0 3 3	1 0   Brought forward   Ft. In.   1 4	Brought forward 13   St. In.   1 4   Black metal bands   0 5   COAL   0 7	Brought forward 13 1   Ft. In.   1 4   Black metal   bands 0 5   COAL 0 7   0 0	Brought forward 13 1 11    3 6	Brought forward 13 1 11 14    3 6   2 0	Brought forward 13 1 11 14 5    3 6

#### No. 1,662.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 16", Long. 1° 29′ 30".

Account of Strata sunk through below the Benton Seam to the Yard Coal Seam, in the Nightingale Pit, Hartley Colliery.

From surface to Ben-	Fs. 1	Ft. I	n. Fs	Ft.	In.	Brought forward		Ft.	In.	Fa. 26	Ft.	In
ton or High Main			15	0	0	Grey metal	. 3	0	0			
Cham blue stone	3	3	0			Blue metal	. 3	0	0			
Sharp blue stone	1	3	0		*	White post	. 12	0	0			
Soft grey metal Strong grey metal,	3	0	0			Blue stone COAL — Yard Coa	1 0		6			
with post girdles	2	4	4			To Low Main	-		-	19 27	3	-
	_	_	- 11	0	0							
Carried for	ward		26	0	0	Total				72	3	(

<sup>\*</sup> Approximate sea level (Ordnance datum .

#### No. 1,063.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Account of Strata sunk through in Hartley Colliery, from the Yard Seam to the Low Main Coal Seam.

Approximate surface level feet above sea (Ordnance datum).

From the top of Yard	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	0	Ft.	In. 2	Fs. 21	Ft.	In.
Seam to the top of post or hard stone where water was							Grey metal stone, with girdle Blue metal, with whin	1	5	6			
got	8	2	0				girdles Mussel and scalp gir-	1	0	0			
post to the top of				-			dles	0	0	3			
metal that lies on Metal Coal	10	4	0	Ô			Grey post, with white post girdles	0	4	1			
Blue metal, with whin girdles	1	4	8				White and grey post— Main Post		4	6			
Metal Coal Seam— Ft. In.							Blue metal, with 4 or 5 inches of whin						
Blue stone 1 2							Blue metal, with cat-		5	8			
tom 2 6							heads Black stone or Coal		4	8			
	0	5	9	91	4	5	Head COAL - Low Main	0	0	10			
Thill and grey metal stone	0			21			Seam		3	11	7	2	7
Carried forward	-	-	_	21	4	5	Total				29	1	0

#### No. 1.064.—HARTLEY.

TOWNSHIP OF

Sheet 81 of Ordnance Map. Lat.

, Long.

Boring from the Metal to the Main Coal, Hartley Colliery. May 3rd, 1757.

Approximate surface level feet above sea (Ordnance datum).

| Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Brought forward | Fs. Ft. In. Fs. Ft. In. Fs. Ft. In. Brought forward | Fs. Ft. In. Fs.

T

# No. 1,065.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

Bored in Hartley Grounds, to the East from Holywell, on the South side of the Burn November 28th, 1757.

Approximate surface level

feet above sea (Ordnauce datum).

Sunk to the scaffold	Fs.			Fs. 0			Brought forward		Ft	In	Fs. 12	PL 3
Bored :-							Soft blue metal		2	3	-	
Brown post	1	0	0				White and grey scamy	-		-		
Brown and grey girdly post, with red scamy		-					post Whin, mixed with	4	5	0		
partings Soft sandy partings,	3	1	0				strong white post White and grey post,	0	2	2		
with water which	0	0					with scamy partings	5	2	0		
rose to top Brown and grey post,							Soft blue and grey metal	0	1	9		
with red partings		1	0				Ft. In.					
Strong grey post,						4	COAL 5 2					
mixed with whin		2	0				Soft black danty					
Brown and red rambly							metal 0 3					
stone	0	4	0				COAL, foul 0 6					
Grey and brown metal							COAL 0 4	-	2	-		
COAL, foul	0	0	4		-	-	_	1	0	3		
	7	_	-	6	3	9		_		_	12	1
Grey metal, with post			2				Black metal, mixed		-	-		
girdles and water							with coal					
Blue and black metal	-	4	0				Grey and black metal	0	0	4		
Black metal, mixed		-	-				COAL	0	0	2	-	-
with coal								-		-	0	U
COAL, hard	0	1	0	5	2	2	In white grey metal				0	0
Carried for		,		12	0	8	m-4-1				-	-
Carried for	war	a		12	3	0	Total		***	-	20	U

#### No. 1,066.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Account of Boring in the second place in Hartley Ground, about from the first place. February 27th, 1758. yards to the So

0.0			In. Fs. Ft. In.	D 116 1			In. F	8. F
Soil				Brought forward				
Soft brown sandy clay	1	0	0	Grey post	1	1	6	
Stony clay	3	2	6	Grey post Black metal, mixed				
Sand and gravel				with coal				
Stony clay Stony clay, mixed with				Grey metal	0	3	4	
ramble	0	4	3	Red and grey scamy metal	1	1	0	
Carried forward	6	5	9	Carried forward	10	0	1	

## No. 1,066.—HARTLEY.—CONTINUED.

Brought forward					Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Whin							Red scamy metal stone Strong white post,					-	
Grey and white post, with brown scamy							mixed with whin			6			
partings and water in some places	8	2	6				White and red scamy			9			
Grey and blue metal, with red scamy							Grey metal, with gir- dles or lumps						
partings	0	1	8				Blue and black metal	1	3	0			
coal, mixed with grey and brown							COAL, foul	0	0	8	5	2	2
metal	0	0	6	10	0	9	Grey metal				0	1	0
				-		-	200				-		_
Carried for	war	d		19	0	9	Total			-	24	3	11

#### No. 1,067.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 10", Long. 1° 30' 26".

Account of the fourth Borehole, to the High Main Seam, about 446 yards North, 70% yards East from Hester Pit in a Field in front of Seaton Red House, Hartley, and on the North side of the Dyke North of Hester Pit.

Soil	-			Fs.	Ft.	In.	Brought forward 3 0 7 6 3 3
Clay	1	2	0				Post girdle 0 0 5
Brown post, with open gullet at bottom and water	0		0				Grey metal, with thin post girdles 0 3 7 Blue metal, very dark
Proper past with 2 in	0	*	U				
Brown post, with 3 in-							
ches of coal pipes at							
bottom	0	3	3				5 0 10
Coarse and soft brown		-	-				Grey metal 0 2 0
post		3	5				Grey metal, mixed
COAL	0	0	2	1 2			with post 0 2 2
	-	_	-	4	2	8	Very hard post girdle 0 0 5
Brown post	1	1	10				Grey metal, mixed
Very strong brown							with post 0 1 9
post	0	1	1				Post girdle 0 0 5
White post	0	-1	4				Grey metal, mixed
Grey metal	-	1	5				with post 1 3 3
COAL	-	0	11				White post 0 1 3
	_	_		2	0	7	W1.1- 0 1 0
Grey metal	0	1	9	-	-		White post, mixed
	0		8				11 11 0 1 1
White post		-	0				
Grey metal, mixed	16	1	0				(1 0 11
with post	77.0	4	-			-	Hard white post
White post	0	-	11				1000
Grey metal	1	1	11				COAL-High Main
Post girdle	-	0	3				Seam 0 4 1
Grey metal		1	6				8 2 9
Dark grey metal	0	2	7				0 2 0
Carried forward	3	0	7	6	3	3	Total 20 0 10
		Apr	rox	ima	to s	en le	evel (Ordnance datum).

Approximate sea level (Ordnance datum).

## No. 1,068.—HARTLEY.

#### TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

#### Account of a Borehole, 20 yards South from Hartley Colliery Boundary. November 29th, 1844.

Approximate surface level

feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs. Ft. In.		_				In. F	L P
Clay			2	4	0		Breu	ight fo	rward	7	0	10	
Sand and g	ravel		0	4	0		Grey shal	le, wit	h coal				
Clay			2	3	6		pipes			0	2	0	
Grey shale			0	2	6		COAL,	with	black				
COAL			_	0			stone			0	1	8	
Grey shale,	with	coal				•	Thill ston	e		0	1	6	
			0	4	0		Grey shale	е		0	3	0	
pipes COAL	•••	•••		0			Grey shal	e				6	
												_	8
												_	
Carried	l forw	rard	7	0	10			Tot	al		• • •		8
			•				ı					=	

## No. 1,069.—HARTLEY.

#### TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4′ 51", Long. 1° 28′ 29".

Account of the different Strata met with in sinking the Mill Pit, Hartley Collie. Begun October 16th, 1830.

	Fs.	Ft.	In.	Fs. Ft. In.	i.	Fs.	Ft.	In.	Fs. 1
Outret	2	0	4	ł	Brought forward	7	1	10	
Soil	0	1	6		White post	0	3	0	
Clay and sand	2	1	0		Whin	0	0	4	
COAL	0	2	0		White post				
Thill	0	1	0		Grey metal stone				
Grey metal stone	1	0	6	l	Strong white post	0	4	0	
Post girdles	0	1	6		Grey metal stone	2	3	6	
Grey metal stone, with				-	•				
post girdles	1	0	0						
Carried forward	7	1	10		Carried forward	11	5	10	

# No. 1,069.—HARTLEY.—CONTINUED.

Brought forward 11 5 10	Fs. Ft. In. Fs. Ft. In. Brought forward 18 2 0 24 0 10
COAL, with metal	Ft. In.
bands 0 2 2	COAL 1 7
Thill 0 3 0	Dark grey metal
Grev metal stone 0 4 0	band 1 7
Post, with grey metal 1 3 0	COAL 111
stone partings   2 1 2	0 5 1
Grey metal stone 0 3 6	19 1 1
	Gray matal with nost
Thill 0 3 4	Grey metal, with post girdles 1 5 6
Grey metal stone 0 1 1	girdles 1 5 6 White post 0 1 6
White post, with gir-	Grey whin 0 0 10
dles 0 2 11	Brown whin 0 2 6
Blue metal partings 0 0 3	Grey metal, with post
Post 0 2 3	girdles 0 3 4
Dark blue metal, with	Dark grey metal, with
ironstone 0 0 5	ironstone girdles 0 5 4
ironstone 0 0 5  COAL, ground 0 1 3	Post girdles 0 0 6
Thill 0 1 9	Dark grey metal 0 4 10
Grey metal 1 2 5	Mussel scalp 0 0 3
Blue metal, with iron- stone girdles 1 4 9	Dark grey metal 1 0 0
stone girdles 1 4 9 Rheck stone 0 1 3	White girdle (a little
Clay parting 0 0 1	water) 0 0 7
Soft grey metal 0 1 5	Grey metal 0 4 2
Black stone 0 1 3 Clay parting 0 0 1 Soft grey metal 0 1 5 Black stone 0 1 0	Post girdle 0 0 10
COAL, with metal	Grey metal, with iron-
bands 0 0 6	stone girdles 1 4 0 Black stone 0 0 9
24 0 10	armed the control of the
Soft thill 0 4 6	Seam (water to here
Blue and grey metal,	
with whin balls	about 100 gallons per minute) 0 4 6
(about 1 stroke per	
minute to here, 12	9 3 5
in. barrel) 2 1 10	Thill 0 0 3
Post or granite (6 fa-	COAL, ground 0 2 1
thoms of which is	Grey metal 0 0 8
exceedingly hard	Post, with metal 1 2 0
and porous, with gul-	1 5 0
lets, where strong	Bored further :-
feeders of water	
were got; various	Grey post 1 3 11
feeders were wedged	Dark grey metal, with
back, sometimes amounting to 800	post girdles 4 3 3 Grey metal 0 2 9
gallons per minute;	Dank more metal with
7 fathoms of metal).	Dark grey metal, with post girdles 1 4 0
Tubbing put in 11 0 6	post girdles 1 4 0
Grey metal, with post	with bands (12 in-
girdles 0 2 9	ches black at top) 1 0 0
girdles 0 2 9 White post 0 1 4	Grey metal thill 1 0 9
Grey metal, with post	Grey post 2 2 4
girdles 0 5 2	Dark grey metal, with
Dark grey metal, with	post girdles 5 2 0
ironstone girdles 1 1 2	18 1 0
White post 0 1 6	
Grey metal, with post	
girdles 1 1 3	
	Total 72 5 4

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,070.—HARTLEY.

#### TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

# Account of Strata sunk through at Hartley Colliery.

	44	YH	-	m.	¥14	-	1	-				
Class and and to the	Fs.	Pt.	In.	Fs.	R.	In.	Describt Commend	Fs.	Ft.	In		Ft.
Clay sand and to the		0	0				Brought forward		-	-	57	3
coal	5	0	0				Grey thill	0	0	3		
Post		3					White and grey post	0	3	3		
White post	2	5	2				Blue metal	0	1	6		
High Main Seam-							Black metal, mixed					
Ft. In.							with coal	0	3	9		
COAL 5 2							Grey post	2	1	4		
Clay 0 3							Grey metal stone	1	0	4		
COAL, ground 1 4							Grey metal stone	2	1	4		
OCAL, Bround	1	0	9				Black metal stone	ō	î	4		
	-	0		25	9	11	COAL, with metal	0	*	*		
PD1 211	0	1	0	20	-	**	Lands	-				
Thill	0	1					Dands	0	2	4	-	120
Blue metal	0	4	8					-	-	-	7	3
Black metal	0	5	1				Thill and grey metal	0	2	0		
Blue metal	3	3	5				Grey metal stone	1	4	1		
Black metal	3	3	11				Black metal and coal					
Grey metal, with gir-							pipes	0	2	6		
dles	3	3	1				COAL, mixed with					
Blue metal	0	3	11				metal	0	3	0		
COAL - Metal Coal	0		10							~	2	5
COAL -Metat Coat		*		13	2	11	Grey thill	0	0	6	-	9
(P)-111	0	0	5	10	-	**	Comment 1 store			-		
Thill	0	U	9				Grey metal stone	0	2	0		
Grey metal, with post	6		-				Blue metal	0	4	0		
girdle	1	4	1				Grey metal stone	1	4	6		
White post	0	4	0				Grey and scamy post	1	3	6		
Whin	0	1	7				Grey metal stone	0	3	0		
White post	0	3	3				Grey metal stone, with					
Blue metal	0	2	6				girdles	1	0	10		
White post	2	3	6				Black metal	0	1	0		
Grey metal, with gir-		-	-				Ft. In.	E		-		
	0	2	8				COMI					
	0	4	6				Grey metal 1 1					
White post	0	2	4				COAL, with					
Grey metal	-											
Blue metal	2	4	9				metal band 1 10	~	-			
COAL, mixed with	-		-					0	5	2	-	12
stone	0	2	6		-			-	-0.	_	7	0
	-	_		11	0	1	Grey thill		0	4		
Black stone	0	1	6				White and grey post		3	0		
White post	0	2	2				Grey metal stone	0	1	8		
Grey metal	0	1	2				Blue metal stone	3	0	0		
Post girdle	0	0	3				Black metal stone	0	1 1	11		
Grey metal		0	4				COAL	0	0	1		
			10					-			5	7
Post girdle	100	2	4				Grey thill	0	0	4		
Grey metal			-				111		3			
Blue metal		0	4				Blue metal			8		
White post		3	5				Grey and scamy post	12	-	0		
Blue stone		5	9				Blue metal			9		
COAL-Yard Seam	0	3	7				Black metal			4		
	-		-	7	3	8	COAL Hartley Main	0	4	5		
									-	-	3	0
				_	-						-	-
Carried forw	ard		1	57	3	7	Total	19.1		8	83	2
	-				-	3 1 1				=		

# No. 1,071.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 10", Long. 1° 29' 24".

Sunk at the Delaval Pit, Hartley Colliery, from the Surface to the Yard Coal.

Approximate surface level 106 feet above sea (Ordnance datum).

	Fs. 6	1	7	Fs.	Ft.	In.	Brought forward	5	0	0	Fa. 53	Ft.	In.
Post and blue clay White post — Main	6	3	1				COAL, mixed with	2	1	0			
Post	6	2	2	-	=	*	slaty stone	0	2	0	7	3	0
High Main Seam-							Grey metal stone, with				'	0	U
COAL 5 2							post girdles	3	2	0			
Clay 0 3							Grey metal stone	1		0			
COAL, ground 1 4							COAL, coarse (1 yard						
78	1	0	9				thick at one side and						
	_	-	-	25	0	11	6 inches at the other)	0	2	0			
Thill		1	0					-	-	-	5	3	0
Blue metal	0	4	8				Grey metal			0			
Dinck metat	U	U					Post girdle Whin girdle			0			
	3						Whin girdle		1				
	3	3	11				Grey metal Black stone	0	0				
Grey metal stone, with	0	3	1					U	0	0			
girdles Blue metal	0						Metal Coal Seam-						
COAL - Grey Seam		0	**				COAL 2 0						
or Metal Coal	0	1	10				Stone band 1 2						
	_	_		13	2	11	COAL 2 2						
Thill	0	0		-		-		0	5	4			
Grey metal, with post								_		_	4	3	0
girdles	1		1				Grey post	0	4	6			
White post	0	4	0				Grey metal, with gir-						
Whin	0	1	7				dles		3				
White post	0	3	3				Whin girdle	0	0	6			
Blue metal	0	4	6				Blue stone, with iron-						
	2	3	6				stone girdles						
Grey metal, with gir-	0	9	8				White and grow post		1				
White post		4	6				White and grey post Blue metal, with cat-	1	2	U			
White post Grey metal, with gir-		*	0				head girdles	1	3	0			
dles	0	2	8				Black stone	0		_			
Blue metal, with cat-	-	-	-				COAL - Main Coal			_			
heads		3	4				Seam	0	4	0			
White post	3	0	0					-	_	_	7	2	0
Blue metal	0	5	6				Bored further :-						
COAL - Fard Seam	0		8		4		Strong white post	4	1	0			
	_	=	-	15	1	8	COAL	0	0	6			
Continued, July 1st,							Thill	0	0	10			
1819:							Strong grey metal,						
Thill blue metal, with							with strong post			-			
post girdles and foul	1	5	ò				coal	2	0	10			
Grey metal stone	2	2	0					0	0	10	7	2	9
Grey metal stone	ō	5	0								'	4	2
Carried forward	-	-	~	53	-	6	Carried for				86	1	3

#### No. 1,071.—HARTLEY.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 86	Ft.	In.	Brought forward	F8.	Ft.	In.	Fa. 1
Thill	0				-		Grey metal, with post				
Strong blue metal Strong grey metal,		0	0				girdles Blue metal, with iron-	1	0	0	
with post girdles		0	3				stone girdles	6	0	0	
Blue metal, with thin girdles	1	1	0								12
Carried forward	5	4	3	86	1	3	Total		***	-	98

## No. 1,072.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5′ 2″, Long. 1° 30′ 45″.

Account of Strata sunk through at the Hester Pit, Hartley Colliery. Commenc January 1st, 1845. Low Main Seam reached May 29th, 1846.

				Fs.	Ft.	In.	D				Fs.
From top crib to soil			0				Brought forward				14
Soil		1	0				Grey metal stone	0	D	4	
Strong clay	3	3	9				COAL	0	2	5	
Sand, with water-								-		-	2
Stone Head	0	5	0				Strong grey metal				
Grey metal stone	0	5	3				stone		2	3	
COAL, very soft	0	-1	4				Whin girdle		ī	2	
	_		_	6	2	4	Soft grey metal stone	0	2	6	
Black stone	0	0	8	-	7	-	Strong grey metal		-	U	
Thilly grey metal stone			8					0	9	1	
Grey post girdles, with		0	0					U	0		
	0	0	8				Grey and white post,				
water	-		5				with much water				
rey metal stone		5	8				(60-40 gallon tubs		-	-	
Post girdle, with water	0	0	8				per hour)		0	0	
drey metal stone and			-				Whin girdle	0	2	6	
thin post girdles	2	2	7				White post, with water	5	3	9	
COAL, very soft	0	0	5				Grey metal	0	0	10	
	-	_	_	5	4	1	Scamy post	0	3	6	
Thill stone	0	5	3				Grey metal		1	3	
Soft grey metal stone	0	1	2				COAL		0	8	
Strong post girdle and								_	_	_	9
water	0	2	8				Thill	0	1	4	
Strong grey metal		-	-				Mild scamy post and	v	+	*	
	0	9	5			7		-	1	0	
		1	1				metal partings	4		9	
COAL, strong	0		1		0	-	Grey metal and whin				
	-	_	_	2	0	1	(from 4 in. to 1 ft.		6	-	
Aild grey post	1	3	3				10 in. thick)	2	5	2	
Carried forward	1	3	2	14	1	0	Carried forward	4	2	3	26

# No. 1,072.—HARTLEY.—CONTINUED.

ight forward			In. 3				Brought forward	11	Ft.	In. 11	Fs. 56	Ft.	In.
ne, with mus-	4	-	-				Grey metal, with post		-	~			
top part	1	3	0				girdles	2					
*** ***	0	1	6				COAL-Yard Seam	0	2	9	120	12.	
	_		_	6	0	9		-	-	_	13	3	8
	-	-	-	-	-	-	White thill	0	4	0			
	0	0	8						4	4			
al, with post								0					
100 200	2	1	10				COAL	0	1	2			
dle	0	0	10					_	_	-	1	3	6
nite post, with							Soft black stone	0	0	2			
101 111	1	0	11				Grey metal thill	0	3	0			
- High Main	3						Strong grey metal	-	-	-			
	0	4	R					2	0	6			
*** ***	U	C.B.	O				stone and post			-			
	_		-	4	2	9	Dark grey metal	0		1			
							Grey metal thill	0	4	0			
*** 4 ***	0	0	3				Strong grey metal						
tone, mixed	- 30	201	2				stone and balls of						
al	0	2	3				whin	4	3	9			
AARC CERK 1++	0	0	8				Strong white post,						
rey metal,							mixed with whin,						
with coal	0	4	2				very wet	10	1	0			
al	0	5	2				Blue metal and iron-	10	-	~			
al stone and			-				blue metal and fron-	0	0				
ironstone	1	1	7				stone girdles	0	3	2			
	-	-	,				COAL, with slaty	-	4	-			
etal, mixed	-		4				partings	0	1	7			
al	0	4	4						_	_	19	1	5
y metal	0	1	8				Carrier and the Carrier and th					-	•
metal part-							Strong grey metal and						
with a little							post girdles White post	0	2	6			
*** ***	7	1	8				White post	0	1	6			
rey post, with		3					Strong grey metal	0	1	4			
rirdles and a							COAL and black		-	-			
intro and a	e	3	0				stone Bencham						
ater m — Ft. In.	0	0	0				stone - Bensham	0	1	11			
m - Ft. In.							Seam	U		11			
, soft 1 1							Í	-		_	1	1	-
metal							C	0	0				
0 3							Grey metal thill		2	4			
,hard 2 6							Grey metal and post		-	-			
-	0	3	11				Grey post	0	3	6			
				10	-	4	Grey post	0	1	4			
			-	19	5	*	Grey metal, with iron-						
y metal	0	2	2				stone girdles	1	1	2			
tal and post	100						stone girdles Mussel scalp	0	0	6			
	2	0	10				Strong grey metal	0	4	4			
al and balls	-	-					Strong white post	0		6			
		0	9				Strong white post	0		0			
stone	1	3	9				Strong grey metal, mixed with post						
tone, mixed			-				mixed with post	1	2	6			
al	0	4	8				Jet or black stone	0	0	6			
ed with balls							COAL - Low Main						
	0	5	. 0				Seam	0	3	4			
grey metal								-		_	5	3	(
	1	1	10				Thill				0		(
rey metal and	15	-					Strong grey metal and				-		
rdles	2	9	0								9	2	-
	-	3	8				post girdles				2	2	1
			-										
white post,		Ph	-										
	1	3	0										
white post,	1	3	0	_		_	Total				100	1	-

# No. 1,073.—HARTLEY BURN.

#### TOWESHIP OF HARTLEY BURN, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat. 54° 55′ 25″, Long. 2° 31′ 38″.

Strata on the North side of the Great Stublick Dyke, at Hartley Burn Collier nine miles West of the Town of Alston.

Approximate surface level 600 feet above sea (Ordnance datum).

			Px	Pt.	In	Ps.	Pt.	In.		Pa.	Pt.	In	Pa 1
Moss and c	lay			ō					Brought forward				
	·		1	4	0				COAL (a workable				
COAL			0	2	0				seam) `	0	4	0	
					_	10	0	0					5
Grey beds			1	0	0				Hazel sill	2	0	0	
Hazel sill			0	3	0								
Grey beds			1	0	0				Grey beds and plate COAL (workable at				
Hazel sill			0	4	0				Blackshield Bog)	0	2		
Plate		•••	1	3	0				<b>6</b> ,			_	4
Carrie	d forw	ard	4	4	. 0	10	0	0	Total			•	19

<sup>\*</sup> Approximate sea level 4813 feet below this.

#### No. 1,074.—HARTON.

#### TOWNSHIP OF HARTON, DUBHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58′ 9½", Long. 1° 26′ 28".

Strata bored through in the Green Lane, 12 chains to West of Boldon Turnpike, property of the Dean and Chapter of Durham, and within a few yards Copyhold Estate of Chas. Milner, Esq., of Biddick, Harton Estate. Hole. Commenced 7th March, 1836.

					n. Fs.	Ft.	In.		Ps.	Ft.	In. Fs.
Soil			0	1	0			Brought forward			10
Yellow clay				4	-			Brown and red post	1	3	0
Stony clay			3	1	6			Stony clay, with scares	_		
Leafy clay	•••								0	3	6
Stony clay			3	1	0			Blue and grey metal,			
Leafy clay	•••							with an inch of coal			
Stony clay	•••	•••	1	0	0			in the middle	0	1	0
• •		•	<del>.</del>		<b>– 10</b>	2	6			_	•
	Carried	forw	vard		10	2	6	Carried forward	2	1	6 10

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,074.—HARTON.—CONTINUED.

Brought forward				Fa. 10			Brough	ıt forw	ard			Fs. 10		In. 6
Yellow post, with a	_	_	_				Grey metal					- •	_	
little water	0	3	0			1	Black metal				4			
Grey metal stone						ı	COAL			0	8			
Brown post, with water						- 1	Grey metal							
Grey metal stone						- 1	Grey stone			1	6			
White post						ı	•					13	2	٥
Brown metal	0	1	0			Ì						10	2	U
Carried forward	9			10	5			Total				23	4	

# No. 1,075.—HARTON.

#### TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57′ 44″, Long. 1° 25′ 48″.

No. 2 Hole. Strata bored through in the South-west Field, adjoining the Turnpike, in West Pasture Estate, Harton Royalty. Commenced 11th April, finished 21st May, 1836.

Soil Fa. Ft. In. Fa. Ft. In. 0 0 6	Fs. Ft. In. Fs. Ft. In Brought forward 20 3 2
Yellow clay 0 2 4	Grey metal 0 4 6
Leafy clay 1 3 4 Stony clay $\left\{\begin{array}{cccc} 1 & 3 & 4 \\ \hline 11 & 1 & 10 \\ \hline 0 & 1 & 4 \end{array}\right\}$	Grey metal stone and
Stony ciay \ 0 1 4	post girdles 0 2 2 Dark grey metal 0 2 2
Leaf clay, scared with	Grey metal stone and
sand 2 4 0	post girdles 0 1 3 COAL 0 0 5
sand 2 4 0 Loamy clay 0 2 6	COAL 005
Sand, with a little	22 1
water 0 1 0 Loamy sand 2 0 4 Leafy clay 0 1 4	Grey metal 5 2 2 Grey metal, scarcd
Leafy clay 0 1 4	with coal 0 0 7
Loamy sand 0 0 8 Marl and limestone 0 4 0	COAL 0 1 11
Grev metal, scared	Left off in grey metal 0 0
with post 0 4 0	i mere em greg metal
Carried forward 20 3 2	Total 28 0

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,076.—HARTON.

#### TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnauce Map. Lat. 54° 57' 55", Long. 1° 25' 23".

No. 3 Hole. Strata bored through in the North-east Corner of the North-east Fi of West Pasture Estate, Harton Royalty. Commenced 23rd May, finished 11th June, 1836.

Approximate surface level 86 feet above sea (Ordnance datum).

Soil Yellow clay Blue clay Stony clay Sand			0 0 1 7	0 2 1	6 0 0 2	e. Pt. In.	Carried forward 8 5 8  Stony clay (a little water at bottom) 3 3 10  Loamy sand { 1 4 6 6 1 0
Carried	forwa	rd	8	5	8		Total 20 3

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,077.—HARTON.

#### TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58′ 18½", Long. 1° 25′ 22″.

No. 4 Hole. Strata bored through in Mr. Watson's (Dean and Chapter), in the So west, adjoining a Field of Mr. Thomas Bell's, in Whitburn Township, Harton Royalty. Commenced 14th June.

Approximate surface level 80 feet above sea (Ordnance datum).

Soil Fs. Ft. In.	Fs.	Ft	. 1	ln.	Fa. Ft. In. Fa. F Brought forward 9
Brown clay 0 4 3 Leafy swelling clay 3 0 0					Brown post 0 3 6 Red rotten stone and
Strong clay 5 5 6	9	4	,	6	loam 1 4 6 Stony clay 0 1 3 Grey metal 1 0 0
	_			_	<u>3</u>
Carried forward	9	4	,	6	Total <u>*13</u>

Lost this Hole in putting in the Boxes.

\* Approximate sea level (Ordnance datum).

#### No. 1,078 .- HARTON.

TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57' 43", Long. 1° 25' 33".

No. 5 Hole. Strata bored through in a Field called East Flatts, in West Pasture Farm, in the Parish of Boldon, Harton Royalty. Begun September 4th, 1839.

Approximate surface level 85 feet above sea (Ordnance datum).

Soil	Fs. 0		In.	Fs. 1	Ft. 1	In.	Brought forward	Fs.	Ft.			Ft.	
Brown stony clay	7	4	6				Loamy sand	2	0			7	17
Sand	0	1	0				Leafy clay		2				
Brown stony clay	1	0	8				Brown sand	0	3	0			
Soft brown freestone	3	3	0				Red clay, mixed with						
Brown sand, with							limestone	0	1	0			
water	0	3	0				In red and grey metal						
Brown sand	1		6					-	-	_	3	3	0
	12	0	6	16	1	6							
tal make tall				-	-	_	1000				_	-	_
Carried for	O'10 T/	1		16	1	B	Total				10	A	B

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,079.—HARTON.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 14", Long. 1° 26' 5".

Strata sunk through in Harton Pit, Harton and Whitburn Collieries. Broke the ground, 10th May, 1841; finished sinking the Sump, 24th July, 1844.

	Fs.	Ft.	In.	Fs.	Ft.	In.	The second second	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	1	3	3	15	0	2
Yellow clay		3	0				Dark grey metal or						
Blue leafy clay							thill and a little						
		o	ŏ				water	1	1	C			
Blue gravelly clay } -	**	0	_	_	_								
	0	3	2				COAL	0	0	0			
Red clay	1	4	0				Dark grey metal or			10			
Action to the same of				1=	0	2	thill	2	0	3			
			_	10	0	2	COAL and a little						
Soft blue metal stone							water	0	0	4			
and a little water	1	2	0				Strong dark and grey						
		0					metal, mixed with						
COAL	0	U	3				post	1	9	0			
							pose	1	0	4			
	-		-		-	-	~			-	-		
Carried forward	1	3	3	15	0	2	Carried forward	6	2	9	15	0	2

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,079.—HARTON.—CONTINUED.

				_				_	
Coming Comment	Fs.	Ft. In	Fs.	Ft.	In.	0.110			In. Fs.
Carried forward	6	2 9	15	0	2	Carried forward	4	4	1 45
strong grey post and	,	7 200				Post and water on		~	
water		1 10				south side of pit	6	0	0
ercy metal		0 0				Dark grey metal	2	0	0
Black metal		0 5				COAL	0	1	8
COAL	0	1 0		-	4	Grey metal or shale	0	4	0
	-	-	11	0	0	Grey post and water	0	5	2
hill or grey metal		4 2				White post, with metal			
Post girdle	0	0 10				partings and water	19	2	8
drey metal post gir-						Dark grey metal	2	4	3
dles and a little water	2	2 2				Dark grey metal	0	0	8
White post girdle and						Dark grey metal or			
water	0	3 5				thill	2	4	3
black metal	0	2 9				COAL	0	0	5
OAL	0	0 4				The second secon	_		- 39
	_		4	1	8	Brown shale	0	0	6
Chill	1	4 0				Grey post, with metal			100
rev post	0	3 2				partings and water	1	1	31
rey post		2 6				Very damp red and	1		100
rey post, with black	-						8	5	81
partings	0	2 8				white post	0	0	3
Blue metal		5 8				Soft grey metal or thill	-	-	-
COAL		1 2				stone	1	1	0
	-		4	1	9	stone Strong black metal,	-	*	0
Dark ener shale	0	4 6	-	1	-	mixed with catheads	0	1	5
Oark grey shale Grey metal	100	TO 100							
irey metal		4 0				COAL	0	0	24
COAL 1 2						Strong light coloured			
reymetal band 0 4						grey post, with			
COAL 0 6						metal partings and			
0 0	0	2 0				whin girdles, also a		4	
	_		6	4	6	bleeding of water	1	4	0
		70.0	-	×		Dark grey metal	1	4	7
Post, with whin gir-						Ft. In.			
dles and water		1 0				COAL 0 2			
Grey metal and water		3 4				Black band 0 2			
Ft. In.						COAL 0 31			
Band 0 6						Black band 0 11			
Band 0 3						COAL 0 11			2
COAL 0 3						-	0	1	8
_	0	1 0		0			_	-	- 15
	-		1	5	4	Grey metal stone, with			
drey metal, with post	-					whin girdles	4	3	4
girdles	1	2 4				Dark grey metal, with	*	0	-
CUAL	0	7					2	2	10
Grey metal	0					ironstone girdles	-		7.0
COAL	C	0 2				COAL, foul	0	0	5
rev metal, with whin,						Thill or dark grey			
post girdles, and water Ft. In.						metal	0	2	6
water	3.	5 7				Dark grey metal stone,			
Ft. In.						with a surfeit and	-		
COAL 1 3	l <sub>2</sub>					a bleeding of water		0	
Brassy band 0 3						Grey metal	0	0	5
COAL 1 3	+						0	1	8
	0	2 10				White post, with whin			
2 0 1	-		6	4	4	girdles and water	4	0	11
Grey shale	0	4 0				Ft. In.			
Jusy motal with rest	U	1 0				COAL, good 0 4			
Grey metal, with post	0	0 1				COAL, black 1 1			
girdles and water	2	3 1					0	1	5
Post and water on rise	-	0 4					-	-	- 14
side of pit	1	3 0							-
	7	0	-	1.6	100	ACADO SO			400
Carried forward	4	4 1	45	5	2	Carried forward			115

# No. 1,079.—HARTON.—CONTINUED.

D 116 1	Fa.	Ft. I	n. I	Fs. E	t. I	n.	Paralle formal Fs. Ft. In. Fs. Ft. In
Brought forward			H 1	15	1 0	2	Brought forward 3 3 0 152 0 1
Thill or grey metal			7				White post, with a
COAL	0	0	0				little water (sup-
Dark grey metal stone,		-					posed Main Post) 3 1 0
with post and whin							Grey metal, with iron-
girdles and water,		10					stone girdles 1 0 0
and coal pipes at						- 1	S
bottom of bed	2	2	1				Supposed Main Coal
White post, with metal						- 1	Seam- Ft. In.
		11	11			- 1	COAL 1 2
partings	0	1					Black slaty
COAL, strong Ft. In							band 0 1
and good 2 6							COAL 0 2½
Splint 0 6							— 0 1 5 <del>1</del>
phine o o	0	3	0				0 1 0
	-	.,	_	5	5 5	1	7 5 5
	-					2	20 0 000000
Grey metal	0	1	6				Black slaty stone 0 3 0
Strong white post,							Black slaty stone,
with whin in places							mixed with coal
and water		1	75				pipes 0 0 6
Black stone	0		31				Grey shale stone 0 5 6
COAL, black slaty			5				Grey metal stone 3 3 0
Grey metal, with post		1	-			3	Grey metal, with post
girdles	2	3	8				girdles 5 3 0
girdles Black metal, with	-	-	*				Strong grey post, with
inonatona girdlas	0	3	0			+	
ironstone girdles		-	0.0				metal partings and
COAL		0	11/2				whin girdles and a
Dark grey metal,							little water 7 2 2
with post and whin		4					Blue metal girdles 0 2 04
girdles		4	1				White post girdles,
Hard white post, much							with metal partings 0 2 3
mixed with whin in	1						COAL (supposed
beds, also very coarse							Metal Coal Seam 0 1 10
in the grain and	l.						
much mixed with							<del></del>
small metal and							Grey thill, with iron-
ironstone balls of							stone balls 0 4 0
various colours and							Strong gray motal
a little water (sup-							Strong grey metal,
posed 70 Fathoms							with post girdles 1 4 0
Post)	19	2	6				Strong dark grey me-
		-	0				tal, with post girdles 2 2 0
Dark blue metal, with							COAL, splint 0 0 5
metal balls and iron-							Grey metal, with post
stone girdles (at a							girdles 1 4 0
depth of about 1							Strong white post,
fathom from the top							with whin girdles 2 0 0
of this stratum a							Grey whin 1 2.0
mussel bed of from							Grey metal, with post
4 to 5 inches in	1						and iron girdles 5 3 1
thickness was passed	1						Black slaty stone 0 1 0
		3	0				COAL 0 0 9
through)	-						COAL 0 0 9 Swad 0 0 3 Shale 0 4 0
through)		0	0				Shale 0 4 0
through) Grey metal, with post			5				
through) Grey metal, with post girdles	. 1		-				Grey metal stone, with whin girdles 1 1 9 COAL 0 0 3
through) Grey metal, with post girdles Black stone	. 1	1					whin girdles 1 1 9
through) Grey metal, with post girdles Black stone COAL, strong and	1 2		6				
through) Grey metal, with post girdles Black stone	1 2	0	6	30	5	9	
through) Grey metal, with post girdles Black stone COAL, strong and	1 2	0	777	30	5	2	Grey metal stone, with
through) Grey metal, with post girdles Black stone COAL, strong and	1 2	0	777	30	5	2	
through) Grey metal, with post girdles Black stone COAL, strong and good	1 2 1 0 t	0	-	30	5	2	Grey metal stone, with

## No. 1,079.—HARTON.—CONTINUED.

D		t. In. Fs. Ft. In.	Fa Ft In Fa Ft In
Brought forward	21 4	9 178 4 10	Brought forward 12 2 5 201 1 9
Yard Seam- Ft. In.			Bensham Seam-
COAL 0 8			Ft. In.
Band 0 3			COAL, top 3 0
COAL 3 2			Splint 0 24
	0 4	. 2	
	0 5	The second second	COAL, bot-
	-	22 2 11	tom 2 91
Thill stone	0 4		1 0 0
Black stone	0 (	51	13 2 5
COAL, splinty	0 (	5½ 2½	Quanta .
Grey metal	0 1	$\frac{2\frac{1}{2}}{2}$	Sump:—
Dark grey metal, with			Blue metal, with whin,
	1 (	2	white post, and iron-
ironstone girdles	1 (	, 2	stone girdles 4 1 4
Grey metal, with iron-			Sta Ouanten Seam
stone girdles	1 8	3	Six-Quarter Seam—
Grey post, with metal	-		Ft. In.
partings	2 :	3 0	COAL, splinty 2 0
Dark grey metal, with			COAL, good 1 8
ironstone girdles	1 5	0	- 0 3 8
White post, with whin			Left off in strong grey
girdles	0 1	6	post 0 3 0
	0 8	, 0	5 2 0
Grey post, with scamy			0 2 0
metal partings and			
whin girdles	3	2	
Black metal	0 (	4	
Carried forward	19	5 201 1 9	Total 220 0 2

# No. 1,080.—HASWELL.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46′ 20", Long. 1° 24′ 1".

Borehole in Haswell Royalty, near Shotton.

Sunk to limestone			 	Fs. 12	Ft.	In. Fs.	Ft. In.
Yellow and brown limes	tone		 	52	0	0	
Strong blue limestone		***	 	2	0	3	
Sand and water			 	4	0	2	
Blue metal	***		 	1	0	2	
Red metal			 	0	1	4	
Black and red metal	***	***	 	0	1	0	
				_	-	- 71	2 11
Total	***	***	 			*71	2 11

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,082.—HASWELL.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft. 1	In. 7	Brought forward				Fr. Pt. 52 0	
Soft limestone marl	0	5	0	•	•	•	Strong post, with coal		•	٠	0	-
Mild white limestone	2	8	5				pipes and thin part-					
White limestone (got	_	•	Ĭ					3	2	0		
first water here)	6	0	6				<b>*</b> • • • • • • • • • • • • • • • • • • •	ĭ	4	ŏ		
Strong white lime-	٠	٠	٠				Black stone parting	ō	ō	6		
stone	5	2	11				T	ŏ	3	8		
Mild limestone and	·	_						v	u	٠		
	1	0	6				Black stone and iron-	Λ	Λ	9		
runs a great deal	_						stone girdles	0	0	_		
Mild brown limestone	6	0	7				COAL, splint	0	2	5	01 4	
Strong brown lime-	^						700 7 4 4 4	_	_		31 4	•
stone	0	2	8				Black stone	0	0	4		
Light brown lime-	_		_				Light blue metal and	_	_	_		
stone	5	4	0				ironstone	1	5	7		
Strong yellow lime-							Black stone	0	2	3		
stone, mixed with							Light blue metal and					
strong balls	2	0	4				ironstone girdles	1	0	0		
Mild white limestone	0	5	0				Black metal stone	0	0	7		
Strong white lime-							Blue metal	2	4	8		
stone, with water	8	8	0				Black metal stone	ō	_	10		
Mild brown limestone	ĭ	ĭ	ŏ				1		_			
Strong brown lime-	-	-	•				Three-Quarter Seam-	-				
stone, with water	2	3	0				Ft. In.					
							COAL, good 1 8					
Strong blue limestone	4	0	0			~	Band 0 4					
	_			47	2	7	COAL 0 2					
Dark blue metal	0	1	2				Baud 0 2					
Strong grey post	1	5	4	,			COAL, good 1 8					
Grey metal	Ō	ō	_					0	4	0		
Red freestone, with a	·	•	_								7	2
37443	0	0	8								•	-
	۳	U	0				Dark thill stone, with		_			
Strong white post (two							ironstone girdles	1	2			
wedging cribs laid	_	_					COAL-5/4 Seam	0	3	6		
here)	0	3					'				1	5
Strong red post	1	2	0				Thill stone	0	0	6		
Purple and blue metal,							Thill stone		5	6		
with soft red post							Blue metal	3	Ð	0		
girdles	2	1	0				Post girdles, with					
Red and white post							metal partings and	_		_		
mixed	3	0	0				water	1	4	9		
Very soft grey metal	0	2	0				White post, with water	1	2	0		
Strong red and white	-	_					Grey metal, with					
. Y	4	4	. 0				strong post girdles	2	0	0		
***	2	ō					White post	0	2	3		
	2	U	U				Strong grey post, with					
White post, with							metal balls and part-					
scares of blue and	^	-	^				1 .	3	1	0		
grey metal	0	5	0				White post with whin	u	•	٠		
Strong grey post, with							White post, with whin	3	2	0		
a little water (wedg-							and balls of metal					
ing crib here)	2	3	0				COAL - Main Coal	0	2	1	10	۰
Grey metal, with scares								_		_	16	2
of coal and post							Dark thill stone	0	1	0		
girdles	0	4	0				Grey metal stone	ŏ	î	ŏ		
Post girdle, with	_	-	•					•	•	•		
							White post and part-	Λ	ĸ	10		
metal partings and	1	5	0				ings	0		-		
water	1						Blue metal	0	4	0		
Strong post, with metal		_	10			*	COAL	0	0	1		
partings	10	5	2				Soft thill stone	0	4	0		
				_		_	1					
Carried forward	25	8	0	52	0	2	Carried forward	2	9	11	109	9
Calling totaged	20	J	J	UZ	v	4	Callied for ward	_	_			-

<sup>•</sup> Approximate sea level (Ordnance datum).

# No. 1,082.—HASWELL.—CONTINUED.

ought forward	2	3	11	10	Ft. 2			Brong			FA	F	In.	Fa. 55	PL.	In.
tal	1		0					stone		444	0	0				
	0	0	0	d-				stone		244	0	4				
lue metal	1	4	0				Blue	metal	***	244	2	0	2			
grey post							Black	stone	-	144	0		9			
·	1	1	0				COA	L			0	0	6			
al	3	3	0					-						9	0	11
etal and post							ms -12	-6-17-			-		-		~	7.3
	5	2	0					stone		1900	0	3	0			
white post,								metal		1100			0			
etal partings		3	6				Grey	post	***	1484	0	3	8			
al	0	.0	6								_	_	_	2	2	8
	2	0	0													2
ch mixed with																
	1	1	0										1	60	3	91
ost (trouble in																
*** ***	5	0	0				Rore	d furth	er. A	weil						
-Low Main								10:-		Print						
*** ***	0	3	7				Market Str.	metal			0	1	4			
				25	5	61	Grev	metal	and	nost	Y	-	-			
a Samuel	-	1	14	-0		2	gir	dles	******	Turne	0	1	0			
l stone		4	0				Grev	dles post	111	444	0		n			
al	0	1	6				Very	strong	white	Tiout			5			
	0	5	0					metal			0.	0				
etal, mixed	-	-	-				Post	mecat			0		4			
ost girdles	0	3	0					metal	***	-		2	4			
t, mixed with	-							metal		Tweet		-				
etal	1	1	0					dles		Irone.	0	0	10			
al		5	0					metal			0		0			
splint	0	0	10					e post		***		0	-00			
				4	2	4		metal		coal	10	100	24			
	0	-		-				es es			0	2	11			
ne	0	1	3					blue n					11			
al	м	4	0					metal			0		- 2			
	0		-					meiai			0		-			
al	0	9	0				Soft 1	olack n	notal	200		1	7			
	0	1	4				Grov	motel	and	most	0					
ne	0		0					metal			0	0	-			
100 100	0	0	8	0	0	0	Gran	dles	445	335						
		-		2	0	0		metal		277	0	T.				
ey thill stone	0	2	6					strong		250	0		5			
ng white post	2	2	0				Green	metal	***	244	0	1	7			
tal and post							Black	post metal	100		0	3	10			
7	0	1	8							200						
al	0	4	0					due me		-	0	3	8			
al, with post								metal			-					
	3	3	7				gire	iles	300	200	0	4				
white post,							Block	g post	39+	200		0				
whin at top	5	1	0					metal		114		2				
Seam- Ft. In.								metal		***	0					
, good 4 1								metal			0	1	-			
, course							urey	metal	BESSEL.	None.	14	10	**			
brassy 0 21							giry				0	2	13			
, not								271p * *			0	10	0			
arse 0 51										Tir			6			
splint 0 4							Gres.					2	4			
, bot-							Gree				U	Q.	-			
0 34							CORP.						-0			
	0	5	5													
-				13	20								D			
																-
Carried forw	min	d											194 1	100	8	44

# No. 1,082.—HASWELL.—CONTINUED.

Brought forward	Fs.	Ft.	In.		FL 3	In. 7	Brought forward	Fs. 25	Ft.	In.	Fa. 52
Soft limestone marl	0	5	0			2	Strong post, with coal	-		_	-
Mild white limestone	2	3	5				pipes and thin part-				
White limestone (got	-	~						3	2	0	
Seet water bare	6	0	6				Light blue metal	1	4	0	
first water here)	0	0	O						-		
Strong white lime-							Black stone parting			6	
stone	5	2	11				Light blue metal	0	3	8	
Mild limestone and	-	-					Black stone and iron-	4	-	-	
runs a great deal	1	0	6				stone girdles	0	0	9	
Mild brown limestone	6	0	7				stone girdles	0	2	5	
Strong brown lime-								-	-	-	31
stone	0	2	8				Black stone	0	0	4	
Light brown lime-							Light blue metal and				
stone	5	4	0					1	5	7	
Strong yellow lime-	10						Black stone	0	2	3	
stone, mixed with							Light blue metal and		-	-	
strong balls	2	0	1					1	0	0	
Wild white limestone	ō	5	0				ironstone girdles			7	
Mild white limestone	V.	9	U				Black metal stone	0	9		
Strong white lime-	0		0				Blue metal		*	8	
stone, with water	8	3	0				Black metal stone	0	2	10	
Mild brown limestone	1	1	0				Three-Quarter Seam-				
Strong brown lime-		-	-				Ft. In.				
stone, with water	2	3	0				COAL, good 1 8				
Strong blue limestone	4	0	8				Band 0 4				
	_		_	47	2	7	COAL 0 9				
Durk blue motel	0	1	2				COAL 0 2				
Dark blue metal							Band 0 2				
Strong grey post	1	5	4				COAL, good 1 8	-			
Grey metal	0	0	8				-	0	4	0	
Red freestone, with a	-		_				Annual Control of the	-	-	-	7
little water	0	0	8				Dark thill stone, with				
Strong white post (two							ironstone girdles	1	2	1	
wedging cribs laid							COAL-5 4 Seam	0	3	6	
here)	0	3	2					-	_	_	1
Strong red post	1	2	0						*		15
Purple and blue metal,							Thill stone Blue metal	0	0	6	
with soft red post	14							3	5	6	
girdles	2	1	0				Post girdles, with				
Red and white post		-	(5)				metal partings and				
mixed	3	0	0				water	1	4	9	
Vory post gray motal	0		0				White post, with water	1	2	0	
Very soft grey metal	0	4	o				Grey metal, with				
Strong red and white		4	-0				strong post girdles	2	0	0	
post Blue metal White post, with	4	-	120				White post	ō	2	3	
Blue metal	2	0	0					0	~		
White post, with							Strong grey post, with				
scares of blue and							metal balls and part-			^	
grey metal	0	5	0				ings	3	1	0	
Strong grey post, with							White post, with whin		-	-	
a little water (wedg-							and balls of metal	3	2	0	
ing crib here)	2	3	0				COAL - Main Coal	0	2	1	
Grey metal, with scares	-	-	-					_	-	_	16
							Dark stell stems	0	,	0	
of coal and post	0	1	0				Dark thill stone	0	1	0	
girdles Post girdle, with	0	4	0				Grey metal stone	0	1	0	
Post girdle, with							White post and part-	-	-		
metal partings and		-	-				ings	0	5	10	
water	1	5					Blue metal	0	4	0	
Strong post, with metal		2	10			-	COAL		0	1	
partings		5	2				Soft thill stone	0	4	0	
	-	-					(11)		100		
Carried forward	-	-	-		0	2	Carried forward	2	0	11	-

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,084.-HASWELL.

TOWNSHIP OF HASWELL, DUBHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46′ 25″, Long. 1° 25′ 9″.

No. 2 Hole. Strata bored through in Braddyll's Property.

Approximate surface level 460 feet above sea (Ordnance datum).

			In Fa Ft In	Fr. Fr. In. Fr. Fr. In
*** ***				Brought forward 33 2 0
rn sandy clay	0	1	2	Mild white limestone 0 5 0
clay	0	5	10	White limestone, with
and gravel, with				soft partings and
iter		1	2	water 8 5 0
ng blue clay				Soft brown limestone 1 1 0
limestone marl	0	5	0	Strong limestone, with
white limestone		-	-	water 2 1 0
ater got)		2	11	Blue limestone, with
g white limestone				water at bottom 3 4 0
		-	41	
limestone, with		^	0	Yellow clay 0 0 4
en partings				Blue metal 0 1 2
yellow limestone	6	0	7	White and grey post 1 4 4
ng brown lime-	16	-		Clean grey metal 0 0 10
ne	0	2	8	Grey metal, mixed
white limestone			72	with post 0 5 3
little water)	5	4	0	Red metal (colour
ig white lime-				varies from dark to
one, with soft			20	light) 11 5 1
rtings		0	4	Green metal 0 1 10
		-	19	- E 0 TH
	-		-	60 0 10
Carried forward	33	9	0	Total *45 0 to
Carried Iorward	90	-		Total *65 0 10

<sup>\*</sup> Approximate sea level 69; feet below this.

No. 1,085 .- HASWELL.

TOWNSHIP OF ELSINGTON, DURNING

Sheet 28 of Ordnance Map. Lat.

. Long.

No. 3 Hole. Strata borol through in Braidgill's Property.

Approximate surface level to store sea (Optimizer fathers)

vn elay 0 0 8 vn elay 0 1 5 vn elay 1 1 1 vn	Forward 9 7 5 6 At At Sec.
Carried forward	1000

ljen H

## No. 1,082.—HASWELL.—CONTINUED.

				Fs.						In. Fa. F
Brought forward	10	1	91	160	3	<del>91</del>	Brought forward	0	2	5 176
Grey metal and post						_	Strong post	1	2	1
girdles	0	5	2				Grey metal, with post			
Blue metal	0	2	7				girdles	0	2	10
Post	0	0	5				Blue metal	0	0	6
Blue metal	0		5				Post	0	5	8
Dark blue metal	_	1					Blue metal	1		Ô
Strong white post	_	Ō	9				Grey metal	õ	4	11
Grey metal	_		11				Grey metal, with post	-	_	
Blue metal		Ŏ					girdles	0	5	5
Grey metal			ì				Post	Ŏ	Ŏ	7
Black metal	_		7				Grey post			8
COAL - Beaumoni		•	٠				Blue metal			
	0	1	6				Post, very strong	ŏ	ō	
				15	2	41	2 000, 101, 2010119	_		_ 8
Grey metal	0	0	9	10	~	-9				_ 0
Dark blue metal	ŏ	ĭ								
Carried forward	0	2		176	_		Total			194

## No. 1,083.—HASWELL.

#### TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46′ 48″, Long. 1° 25′ 58″.

## No. 1 Hole, at Haswell Colliery. Account of Strata bored through in Sir G. Sl Property.

Soil			In. Fs. Ft. In.	Fs. Ft. In. Fs. : Brought forward 20 1 5
Soil Brown sandy clay	ň	Ē	ň	Mild brown lime-
Soft limestone marl	ĭ	2	ŏ	stone 0 5 9
Strong white lime-				Strong brown lime-
stone	3	4	0	stone 0 0 10
Strong white lime-				Dry sand 11 3 0
stone	2	5	0	Sand, with water 12 2 8
Mild brown lime-				Soft freestone or sand,
stone (got water at				with grey metal
19 fms. 1 ft. 6 ins.				partings 2 1 7
from surface)	11	0	9	Left off in very hard
Strong brown lime-				grey post 0 0 3
stone	0	1	8	47
Carried forward	20	1	5	Total <u>*47</u>

<sup>\*</sup> Approximate sea level 2141 feet below this.

# No. 1,087-HAUXLEY .- COSTISUED.

ght forward	RRE	500	Brought forward Ft. Pt. In. No. Pt. In.
	4 4 5	-	Grey metal 0 3 0
	0 0 7		strong grey metal
		4 5 0	stone 1 I O
			White net with
al tree tree	3 5 6		water 8 0 9
. 175	0 0 6		Grey metal 0 0 5
al and scares			COAL _ 0 0 2
I and brass	0 0 10		Grey metal 0 2 7
*** ***	0 0 10		Grey post, with metal
		4 0 10	partings 2 0 7
y metal	0 5 4		Grey metal stone 0 .3 6
Pt. In.	-		COAL 0 0 8
0 10			
al 0 3			Grey metal 1 2 7
brassy 0 9			Grey metal 0 0 5
	0 1 10		Grey post, with metal
1 1 1 1	0 1 10	4 4 7	partings 2 3 0
	-	1 1 2	partings 2 3 0 Whin 0 1 6
	0 0 6		Grey and white post 0 4 1
al	0 3 0		COAL 0 2 5
d grey post			5 2 4
with water			Grey metal and metal
		7 5 6	stone 0 3 0
		100	White post, with sandy
al and metal	5 6 6		partings 12 4 0
Ten 1905			partings 12 4 0 Black metal 0 0 6
775 700	0 0 6		Grey metal stone _ 0 2 0
metal	2 3 0		COAL _ 0 0 6
ey post	3 1 10		13 4 0
post	0 0 2		Communical storm solids
	0 1 4		Grey metal stone, with
etal, mixed	0 0 1		post girdles 2 4 6 Strong white post 0 3 0
al	0 0 1	-	Grey metal stone and
-		7 2 11	metal, with post
al	0 0 9		girdles 1 1 6
ey post, with	-		Pt. In.
	8 3 4		COAL 1 2
y metal and	7		Blue metal 1 2
of coal	0 1 6		COAL 0 2
4.0			Grey metal 0 3
		8 5 11	COAL, seared
-		0 0 11	with white
rey metal			stone 0 3
foul	0 0 6		- 0 3 0
netal, scared			5 0 0
coal	0 0 4		Grey metal stone 0 2 2
etal	0 5 6		In whin 0 0 2
	0 0 6		- 024
	-	3 1 8	1
		-	The second second
		42 5 0	Total 80 2 4

18th October, 1793.—Rods measured by Mr. Barney, brought to 80 fms. 2 ft. 8 in.

#### No. 1,085 .- HASWELL .- CONTINUED.

Brought forward Mild limestone, with	24	Ft.	In. 8	Fa. Ft. In.	Brought forward 58 (Blue metal 0 3	0	
water	3	5	0		Sand (not through it) 18		
Strong limestone, with thin girdle Soft marl	2	5	4				70
Soft marl	27	1	0				-
Carried forward	58	0	0		Total		76

## No. 1,086.-HAUXLEY.

## TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. , Long.

Account of Strata bored at Hauxley in the Link Sand. February, 1793.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.	1 2 3 3 4 4	Fa.	Ft	In.	Fa 1
Sand	466	1		0				Carried forward				11
Stony clay	25%	2	5	6				Grey metal	0	2	0	
Grey metal		0	1	6				Dark metal	0	1	6	
COAL, foul			0	6				COAL, foul	0	0	6	
Grey metal		0	2	3					_		_	0
COAL, foul	***		0	9				Grey metal	4	2	7	
Grey metal		0	2	6				Black metal, with				
Scamy grey post			3	0				scares of coal	0	0	5	
Grey metal stone		2		0				COAL, with a small				
Scamy grey post	***	0	3	0				band 33 inches from				
Grey post, with wa	iter	2	2	6				the top	0	5	5	
Grey metal	***	0	2	3					-	_	_	5
COAL	***	0	2	5								
		_	_	_	11	5	2					
						-	-	2000				-
Carried	for	war	d		11	5	2	Total		***		17

## No. 1,087.—HAUXLEY.

#### TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. , Long.

Account of the Boring in the 3rd Place near Hauxley, on the Links, near Amble End. March 21st, 1793.

Sunk and boxes put in Grey metal stone, with post girdles and water	3	4	8		Brought forward 4 0	Ft. 1		Fs. 1
Carried forward	4	4	8	100	Carried forward	d	-	5

## NORTHUMBERLAND AND DURHAM.

# No. 1,087-HAUXLEY.-CONTINUED.

Brought forward Grey metal stone	4	4	5			0			3			5	In.
COAL	0	0	7				strong grey metal	1	1	0			
0	-		_	4	b	0	White post, with						1
Grey metal	3	0	6				water	8	0	9			
Dark metal and scares	0	U	0				Grey metal	1.7	0				
of coal and brass							COAL		0	7			
lumps	0	0	10				Grey metal	U	2	'			
imaps in in	-					10	Grey post, with metal	2	0	7			
2.72				9	U	10	Grey metal stone		3				
Dark grey metal	0	5	4				COAL		0	-			
Ft. In.								_			13	0	1
COAL 0 10							Grey metal	1	2	7			
Grey metal 0 3							COAL	0	0	4			
COAL, brassy 0 9							Grey metal		0				
	0	1	10				Grey post, with metal						
			_	1	1	2	partings	-	3	0			
O	0	0		-	•	-	Whin		1				
Grey post							Grey and white post	0	4	1			
Grey metal		3	-				COAL	0	2	5		_	
White and grey post COAL, with water			6			1		-		_	5	2	
OOAL, with water	v	U	U			w	Grey metal and metal	^		0			
	_		_	7	5	6		U	3	0			
Grey metal and metal							White post, with sandy	10	4	0			
stone	1	2	0				partings Black metal	10	0				
COAL	0	0	6				Grey metal stone						
Soft grey metal	2		0				COAL						
White grey post	3		10				00112	_	_	_	13	4	- 0
Coal pipy post	0	0	2				Comments to the second the				-		
COAL Blue metal mixed	0	1	4				Grey metal stone, with	2	4	6			
Dine metal, miaca	•						post girdles Strong white post		3				
with coal	U	0	1				Grey metal stone and			-			
	_	_	-	7	2	11	metal, with post						
Grey metal	0	0	9				girdles	1	1	6			
White grey post, with							Ft. In.						
water	8	3	4				COAL 1 2						
Dark grey metal and							Blue metal 1 2						
scares of coal	0		6				COAL 0 2						
COAL	0	0	4				Grey metal 0 3						
			_	8	5	11	COAL, scared						
White grey metal	2	Λ	10				with white						•
COAL, foul	õ		6				stone 0 3	0	3	Λ			
Grey metal, scared	٠	٠	•					U	3		5	0	
with coal	0	0	4				Grey metal stone	0	2	2	J	J	•
Grey metal			6				In whin	ŏ	_	2			
COAL	0	0	6							_	0	2	4
				3	1	8					•	_	•
				•	-	9	1						

18th October, 1793.—Rods measured by Mr. Barney, brought to 80 fms. 2 ft. 8 in.

## No. 1,088.—HEATON.

#### TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 2", Long. 1° 34' 35".

Account of Strata sunk through at Heaton New Pit, in Mr. Brown's Estate, at Long Benton

e	1 2 2 4 0	2 3 4 0 0 1 1 3	0076 84	12	4	1	COAL		***	0 3 0		0 0 10	3	2 ]	0
l stone	1 2 2 4	0 0 1 1	6 8 4	12	4	1	COAL			-			3	2 ]	0
l stone	1 2 2 4	0 1 1	8 4	12	4	1				_	-	_	3	2 ]	0
l stone	2 4	1	4	12	4	1	Plus stone							-	
e	2 4	1	4							0	5	3			
e	2 4	1	4				Blue stone, w		post	0	0	0			
e	2 4		0				* 31			1	0	6			
e		3	3				Soft blue stor			0	1	0			
	0		10				W71.1			0	2	0			
		1	0				C			1	1	8			
			_	10	2	1	Titue stance		***	2	1	4			
	0	4	0				T11 - 1 - 1			0	4	6			
	0	*	U				COAL			0	1	0			
							1000000						6	5	3
st and	2	5	1				Blue stone .			1	1	0			
***	0	0	7				Grey post .		***	3	0	0			
etono	U	U					Black stone .		***	0	1	0			
stone,	3	3	3				COAL		***	0	0	2			
	0	5	0				COAL .	**		0	0	2		9	9
e	1	1	3				and the same				1		*	-	-
ie	11	0	8				Blue stone .		***	1	2	0			
***		_	_		-					0	1	2			
			-					ith w	hin	100					
		-	100				COAL .			0	0	4	-	-	14
												-	3	0	0
		-	-				Post-70-Fat	hom.	Post	2	0	0			
	-	_					Blue stone .			0	4	0.			
***	0	U	0		-		Black stone			2	3	1			
	-	-	_	16	1	8	0011		***	0	1	6			
stone.										_	-	-	5	2	7
	0	5	2				Thill stone			0	1	10			
	0										-	-			
7.00	-		_	1	0	4						20			
4	0	0	0												
							6			0	5	10			
							Deans .		***			20	7	5	6
	-						PRE 111					-	-		-
							***		***	0					
***	0	U	0	6	5	10	Blue stone .	**	***	1	2	8			
				0	U	20				-		-	1	4	0
	stone	stone 2 ne 0 ne 0 ne 0 stone, net 0 0 ne 0 ne 0 ne 0 ne 0 ne 1 4	stone 2 0  e 0 1  e 0 1  e 0 5  0 1  e 0 5  0 1  e 0 2  e 0 2  e 1 3  4 3	stone, st 0 5 2 0 1 2 0 2 0 e 1 3 2 4 3 6	stone 2 0 0 0 1 8 2 3 1 0 0 2 0 0 1 2 0 1 2 0 2 0 0 2 8 0 2 0 0 0 2 8 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	stone 2 0 0  a 0 1 8  a 3 1 0  0 2 0  0 0 8	stone 2 0 0  ne 0 1 8  ne 3 1 0  ne 0 2 0  ne 0 5 2  ne 0 1 2  ne 0 2 8  stone,  st 0 5 2  ne 0 1 2  ne 0 2 8  ne 0 2 8  ne 0 2 8  ne 0 2 0  ne 1 3 2  ne 4 3 6  ne 0 0 6	stone 2 0 0 0  e 0 1 8  a 3 1 0  0 2 0  0 0 8	stone 2 0 0 0  stone 2 0 0 0  se 0 1 8  se 3 1 0  0 2 0  0 0 8  stone,  st 0 5 2  0 1 2  0 1 2  1 0 4  se 0 2 8  0 2 0  se 1 3 2  4 3 6  0 0 6  Stone,  Thill stone  Post—Main Post  COAL  Thill stone  For Main Post  Thill  Seam  Thill  Blue stone  Blue stone  Blue stone  Thill  Blue stone  Blue stone	stone 2 0 0 0  stone 2 0 0 0  ne 0 1 8  ne 0 2 0  0 0 8  stone, st 0 5 2  0 1 2  10 1 3 2  11 0 4  stone, o 2 0  ne 0 2 0  ne 0 2 8  ne 0 2 8  ne 0 2 8  ne 0 2 0  ne 1 3 2  ne 0 0 6  Stone, st 0 5 2  Thill stone  COAL  COAL, clean and good — Main Coal Seam  Seam  Thill  Blue stone  Thill  Blue stone  Thill  Thill	Stone   2   0   0   0   0   0   0   0   0   0	stone 2 0 0 0  e 0 1 8  a 3 1 0  0 2 0  0 0 8  stone, st 0 5 2  0 1 2  0 1 2  0 2 0  e 0 1 2  0 1 2  0 2 0  e 1 3 2  0 2 0  e 1 3 2  0 0 6  Thill stone 0 1  Seam 0 5  COAL 0 1  Post—70-Fathom Post 2 0  Blue stone 0 4  Black stone 0 1  Post—Main Post 6 3  COAL, clean and good — Main Coal  Seam 0 5  Thill stone 0 5  Thill stone 0 1  Blue stone 0 1  Thill stone 0 1  Blue stone 0 1	stone 2 0 0 0  e 0 1 8  a 3 1 0  0 2 0  0 0 8  stone, st 0 5 2  0 1 10  0 1 10  0 1 10  0 1 10  0 1 10  0 1 10  0 1 10  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14  0 1 14	Stone 2 0 0 0 1 8 8 10 0 0 0 0 0 0 0 0 0 0 0 0	stone 2 0 0 0  e 0 1 8  e 3 1 0  0 2 0  0 0 8  stone, st 0 5 2  0 1 2

<sup>\*</sup> Approximate sea level (Ordnance date).

## No. 1,089.—HEATON.

## TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59′ 24″, Long. 1° 35′ 12″.

Account of Boring in the Fortune Pit, at Heaton Colliery. 1736.

Approximate surface level 120 feet above sea (Ordnance datum).

F6.	Ft.					D						
			19	4	0		0	0	0	32	0	1
						***	-	-				
						Whin	0	1	0			
1	3	0				White post girdles,						
							0	2	0			
0	9	0										
	-	~					1	9	0			
4	~	-						2	U			
1	0	0										
121	-											
0	1	0				mixed with Ft. In.						
						coal 0 6						
1	0	0				Whin girdle						
	-											
a	0	R				COAL foul 1 0						
. 0	U	0					-	-	0			
10	1	6					0	1	9		_	
		_	_	=	*	2	*		-	_	D	
1 -		0										
0	2	0				Post, mixed with whin	0	1	0			
						Blue metal, with post						
	1	0					1	0	0			
_	-	-	R	2	B			-	-			
			U	0	U	with water	0	A	0			
0	3	0				With water	0	4	10			
						winn	0	0	10			
						Grey post	0	2	6			
	1	0				White post	2	1	6			
	*	0				Strong white post	0	1	6			
							0	1	6			
							-	-	0			
2	0	0				Lun da	-		0			
0	0	9					T	3	U			
0	3	0										
-		-										
						COAL	0	0	10			
	-	~					_				3	
4	0	0				Soft grey metal	0	9	0		- 7	
						Gway and blue metal	-	-	-			
0		6										
0	1	2				with girdles or	-		_			
_	- 100		9	5	5	lumps	2	1	0			
-	4	-				COAL	0	0	6			
1	3	0					-	_	_	2	3	
1	1	0				Grev metal	0	1	0			
0	2	0				Black metal, scared						
9	0	0					0	0	9			
-							0	0	0			
							-		-			
	-	-				and water	2	3	0			
1	0	0										
			_		2		100	-	-			
					11		_		_	_		_
	1 0 1 0 0 0 0 2 200 0 4 00 0 1 1 1 0 2	1 3 0 2 1 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 0 0	1 3 0 0 2 0 1 0 0 0 1 0 0 1 0 0 0 6 0 1 6 0 2 0 0 1 0 0 3 0 2 1 0 2 0 0 0 0 9 0 3 0 4 0 0 0 2 6 0 1 2 1 3 0 1 1 0 0 2 0 2 0 0	15  1 3 0 0 2 0 1 0 0 0 1 0 1 0 0 0 0 6 0 1 6 0 1 6 0 2 0 0 1 0 0 3 0 2 1 0 2 0 0 0 0 9 0 3 0 4 0 0 0 2 6 0 1 2 0 1 1 0 0 2 0 1 1 0 0 2 0 2 0 0 0 1 0 0 2 6 0 1 2 0 0 0 0 9 0 3 0	15 4  1 3 0 0 2 0 1 0 0 0 1 0 1 0 0 0 0 6 0 1 6 1 4 6 0 2 0 0 1 0 0 3 0  2 1 0  2 0 0 0 0 9 0 3 0  4 0 0 0 2 6 0 1 2 0 3 0  1 1 0 0 2 0 1 1 0 0 2 0 2 0 0 0 0 9 0 3 0	0 2 0 1 0 0 0 1 0 1 0 0 0 0 6 0 1 6 1 4 6 0 2 0 0 1 0 0 3 0 2 1 0 2 0 0 0 0 9 0 3 0 4 0 0 0 2 6 0 1 2 0 2 0 2 0 0 1 1 0 0 2 6 0 1 2 0 2 0 2 0 0	Brought forward Blue and black metal, with catheads Whin White post girdles, with metal partings Blue and black metal, with catheads Three-Quarter Seam—Black metal, mixed with Ft. In. coal 0 6 Whin girdle or lump 0 3 COAL, foul 1 0 Grey metal Post, mixed with whin Blue metal, with post girdles and lumps White post girdles with water White post girdles and lumps Blue metal, with post girdles or catheads COAL Black slaty metal, with girdles or catheads COAL Black slaty metal, with girdles or catheads COAL Grey and blue metal, with girdles or lumps COAL Grey and blue metal, with post girdles and water Grey and blue metal, with post girdles and water Grey and blue metal, with post girdles and water Grey and blue metal, with post girdles and water Grey and blue metal, with post girdles and water	Brought forward 6   Blue and black metal, with catheads 0   White post girdles, with metal partings 0   Blue and black metal, with catheads 1   Three-Quarter Seam—Black metal, mixed with Ft. In. coal 0 6   Whin girdle or lump 0 3   COAL, foul 1 0	Brought forward   6	Brought forward   6 0 0 0	Brought forward   6 0 0 32	Brought forward 6 0 0 32 0

## No. 1,089.—HEATON.—CONTINUED.

Brought forward				Fs. 51			Brought forward	Ps.	Ft.	In.	Pa 60
Blue metal, with cat-	-	-	•	-	-		Grey metal	_	1	Λ	•
heads	Λ	Q	Λ				Grey metal stone		4	-	
COAL and black	U	u	U				Strong white post		2		
	^	^						2	2	U	
slaty metal	0	U	4	_		-	White post, with a				
	_		_	3	1	7	mixture of whin		_		
Grey and blue metal	1	2	O				girdles		_	0	
A white whin girdle							Grey coal pipe post	0	0	8	
or lump	0	0	4				Whin	0	3	.0	
Grey scamy post, with							White post	0	4	0	
water	0	1	0				A mixture of whin	0	2	6	
Grey metal		8	0				Coal pipe post	Ó	Ō	6	
A mixture whin girdle		•	-				White post, with a	-	_		
or lump	Λ	0	4				mixture of whin				
Grey metal, with	v	٠	•				girdles or lumps	2	5	0	
	1	Λ	Λ						ĭ		
	T	U	U				Grey coal pipe post				
Black metal, with		_	_				Grey metal		0		
girdles	1	U	0				Black metal		0	3	
Black metal, with							COAL-Upper Main	0	5	10	
	2		6				•			_	11
COAL, foul	0	0	10				Grey metal	0	0	3	
•		_		6	2	0	COAL (into)	0	0	2	
							(,			_	0
Carried for	wa w	1		60	5	5	Total				79

# No. 1,090.—HEATON.

#### TOWNSHIP OF HEATON, NORTHUMBERLAND.

, Long.

Sheet 97 of Ordnance Map. Lat.

Account of Boring at Heaton Colliery, in trial for the Stone Head for the Se Pit. May. 1795.

	Fs.	Ft.	In.	Fs.	Ft. In	
Sunk to box	1	0	0			Brought forward 14 4 0
Strong clay	2	1	0			Leafy clay, mixed
Sand, mixed with soft						with sand 0 1 6
clay, and water	0	5	0			Strong stony clay 4 2 0
Sand, with scares of	-	_	-			Sand 0 0 10
clay, and water	0	3	0			Clay, with a mixture
Sand, with water	í	3	ŏ			of sand 0 0 9
Sand, with water Leafy clay	ō	2	ŏ			Strong stony clay,
Strong stony clay	7	5	ŏ			mixed with gravel 1 0 3
Leafy clay, mixed	•	_	-			20
with sand	0	1	0			In blue grey metal
Band						
						_
Carried forward	14	4	0			Total 2

## No. 1,091.—HEATON.

#### TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map.	Lat.	, Long.	
Account of Boring in the second place	at Heaton, abou	st 200 yards	of the first.

Black soil           0       1       0         Sand, with water          3       2       0         Leafy clay, mixed with sand         0       4       6         In sand. mixed with clay         0       1       6					Fs.	Ft.	In.	Fs	Ft.	In.
Leafy clay, mixed with sand 0 4 6 In sand mixed with clay 0 1 6	Black soil		•••	 	0	1	0			
In sand. mixed with clay 0 1 6	Sand, with water			 	3	2	0			
n sand. mixed with clay 0 1 6	Leafy clay, mixed with san	ıd		 	0	4	6			
	n sand. mixed with clay			 	0	1	6			
4 3	•						_	4	3	0
	Total	•••		 		• • •		4	8	0

## No. 1,092.—HEATON.

## TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 54° 59′ 45″, Long. 1° 34′ 58″.

Account of Boring in the E Pit, Heaton. January, 1801.

Approximate surface level 209 feet above sea (Ordnance datum).

Sunk to the scaffold	Fs.	Ft.		Fs. 23	Ft. 1		Fs. Ft. In. Fs. Ft. In. Brought forward 6 5 6 47 2 0
Boxes }	$\frac{11}{3}$	0	6				COAL 0 1 0
Strong white post,	J	**	O				Soft black metal 0 0 9
with hard girdles							Dark grey metal 0 4 6
and water	8	2 0	9				Grey metal stone 0 1 6 Whitish grey post,
Grey metal	U	U	3				with water 1 3 0
with coal, and coal	0	1	6	23	8	0	Whin, mixed with white post 1 0 0
Grey metal stone	2	1	0	20	o	U	Whin 0 2 6 Strong grey metal
Grey and white scamy	2	2	9				stone 2 3 0
Grey metal stone, with		_	-				Blue metal 0 1 6
hard girdles	1	5	0				COAL 0 0 6
Black grey metal, with hard lumps	_	2					6 5
Carried forward	6	5	6	47	2	0	Carried forward 61 1

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,092.—HEATON.—CONTINUED.

Brought forward				Fs. 61			Brought forward		Ft.		
Grey metal stone Whin mixture, with water			6				Strong white post, with a mixture of whin in several places and				
Black slaty metal stone and black grey		-					whin girdles White post, with		2	0	
metal	3	1	0				strong girdles	0	4	6	
COAL	0	0	10	4	4	4	Grey scaling post COAL (into) — sup-	1	4	1	
Grey post	0	2	0				posed to be High Main Seam		0	0	
Carried forward	0	2	0	66	0		Total	_		-	78

## No. 1,093.—HEATON.

#### TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59' 20", Long. 1° 34' 17".

Bored in trial for the Low Main Coal Seam, in the C Pit, Heaton Colliery. 18
Approximate surface level 160 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In-	n 110 1			In.	
Sunk to the thill of				26	4	0	Brought forward				84
the High Main }				53	2	0	Strong whin mixture				
_ Coal [	.3				-	~	Strong white post	1	3		
Box	0	1	2				Grey metal stone	1	9	6	
Black metal and foul			-				COAL	0	1	4	
coal	0	4	0					_		-	12
Grey metal, with gir-		_					Grey metal stone	0	2	0	
dles or catheads	2	3	4				White post and whin				
Black grey metal, with			-				girdles	0	3	0	
girdles or catheads	0	4	8				Grey metal stone and				
COAL	0	0	4	-			post girdles	2	5	2	
Grey metal	0	1	8				Strong white post and				
COAL, hard, with		-	140				metal partings	1	4	0	
sulphur	0	2	2	-			COAL, with sulphur			11	
	_	-	-	4	9	4		_			- 5
Grey metal stone White post	0	1	6						-		-
	1	0	0				Grey metal				
Grey metal stone, with		-					Grey post		0	0	
girdles Black grey metal stone	1	2	0				Strong white post,		'n	- ~	
Black grey metal stone	1	1					mixed with whin	2	0	0	
Grey metal stone Whin	2	2	0				Grey metal stone,				
	0	0	8				with mixture whin				
Grey metal stone, with		-					girdles				
whin girdles	1	3	4				COAL, with sulphur	0	2	10	
White post		3	0					-	-	-	8
Grey metal stone and			-				Dark grey metal	0	0	0	
girdly post	0	2	6								_
Carried forward	8	4	2	84	5	4	Carried forward	0	0	6	111

## No. 1,093.—HEATON.—CONTINUED.

			In.								Fa.		In.
			61	111	5	6		2	1	1	130	2	9
	5						Black slaty metal, with						
166	0	1	4				small beds of coal	-	4	4			
post, with							and sulphur	0	1	5		100	100
e of whin							Santa Contract	-	_		2	2	6
	4	4	0				Whitish grey metal	1	0	0			
grey post			6				Dark grey metal stone,						
****	1	0	0				with hard girdles	4		0			
retal, with							Whitish grey metal		1	3			
	0	0	6				Black grey metal	0	0	6			
	0	0	10				Grey metal stone	0	2	0			
	-		_	13	1	2	Grey post	0	2	0			
with post							Grey metal stone	0	3	0			
	1	2	4				Grey metal	0	1	8			
with metal		-	3				COAL, coarse	0	0	4			
The second second	4		n					_	-	-	10	0	9
*** ***	1		0				Grey metal, with some						
*** ***		0	8				small scares of coal	0	0	4			
***			9				Grey metal stone	2	0	0			
*** ***		1	5				Strong grey white	-					
*** ***	0	2	6				post	0	1	2			
ey metal							Grey metal stone	1	2	0			
th strong	-	-	-				Whin	0	0	9			
*** ***		5					Strong grey metal	-	-				
Ter	0	0	6				stone	0	9	0			
netal, with							WATER TO A TO A	0	2 4	ő			
coal and							Strong white post	0	4	6			
346	0	1	9					0	9	0			
th sulphur	0	1	0.				Grey metal stone	O	2	0			
	_	_	_	5	2	1	Strong white post,						
Intern Day								4	-	0			
and metal								1					
ith whin	~						Grey metal		1				
200	2	0	6				Whin mixture	0	4				
oul, with	-	-	-				In strong white post	0	0	11		-	-
***	0	0	7					_			8	0	- 2
forward	9	1	7	190	0	0	Total				151	0	2
DIEWING	2	1	1	130	4	9	Total		1.40		TOT	U	- 4

The total expense of boring and attendance, sharping gear, value of ropes oring, wood, iron, and workmanship for a brake underground (in the time of a above) was £349 2s. 1d.

# No. 1,094.—HEBBURN.

TOWNSHIP OF REDWORTH, MONKTON, AND JARROW, DURHAM.

drdnance Map. Lat. 54° 38′ 46", Long. 1° 30′ 9".

the through in the B Pit, Hebburn Colliery.

"Tace level 80 feet sea (Ordnance datum).

# No. 1,094.—HEBBURN.—CONTINUED.

	_			_				_		-	
Brought forward	Fs.		In.	Fs.	Ft.	In.	Brought forward			In. 1	
Blue metal	0		Ö				White post girdles,	-			-
COAL	0	3	0				with metal partings	0	1	0	
	_	_	_	20	3	0	Whin	0	3	0	
Blue metal	1	2	0				White post, with metal				
Grey metal stone	2	3	0				partings	0	5	6	
Post, with metal part-							Grey metal	0	1	0	
ings	1	4	0				Grey metal and white				
Blue metal stone	0	5	6				post	4	0	3	
Grey metal, with post	-						Bluish grey metal	4	5	9	
girdles	2	4	6				COAL	0	0	5	
Blue metal stone	1	5	0					-	-	_ 1	.3
Grey metal, with post	2						Bluish grey metal	2	5	6	
girdles	5	2	0				COAL	0	0	2	ā
Hard white post	1	4	0				0 000	-	0	-	2
Grey metal, with post			-				Grey thill	0	2	4	
girdles	4	4	0				Bluish grey metal	3	1	2	
Grey metal, with open	0		0				70-Fathoms Coal—				
partings	0	3 5	6				Ft. In.				
Blue metal Blue and black metal	6	1	6				COAL 1 2				
0041	0	0	2				Grey thill 4 6				
COAL	0	O	4	31	2	2	COAL 0 2	-	2	-	
		-		91	-	4	-	0	5	10	4
Black metal	0	0	6					-		-	4
White thill	0		10				Grey metal and post	-	6	-	
White post	0	2	5				girdles		0	0	
Blue metal	0	0					Blackish grey metal		5	6	
Grey post		0						1	1	2	
Grey metal, with post	0		350				COAL	0	0	4	
Strong white post	2	3	6				a	-	-	-	6
Strong white post,							Grey thill	1	0	0	
with grey metal							Bluish grey metal,		0	0	
partings	0	4					with post girdles	3	0	6	
Strong white post	8	0	0 2				Strong white post	4	4	6	
COAL	0	U	2	12	*	c	Brown post, with blue		1	10	
Chan thill	0	9	10	12	5	6	metal partings	1 4	2	2	
Grey thill	1	5	0				Strong white post	1	ō	õ	
Grey thill, with metal	0	1	o				Blue metal	0	1	6	
Grey metal Post, with metal part-	·	-	U				Black stone	0	5	0	
	0	3	0					-	2	6	
Strong white post,	0	0	0				TOL C. I. Comment of	1	5	0	
with whin	0	3	0				Dia di		0	0	
Grey and blue metal	0	4	0				COAL	ō	0	6	
Black stone	0	3	0						-		20
COAL	0	0	4					-	-		
	_		-	4	5	2	Grey thill	0	4	0	
		-		-		-	Blue and grey metal	0	5	0	
Black stone	0	1	4					10	2	0	
COAL	0	1	0	-		4	COAL - Main Seam	1	0	0	71
	-			0	2	4					1
Strong grey thill	0	2	6				White thill	0	1	8	
	0	0	10				COAL, slaty		2	4	
Strong grey post White post girdles,							Blue metal	0	1	0	
with metal partings	1	3	0					-		-	-
	0	3	0				-				
White post	v										
White post Carried forward	_	3	-	70	0	2	Total			- 3	31

# No. 1,095.—HEBBURN.

## TOWNSHIP OF HEDWORTH, MONETON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 38′ 47″, Long. 1° 31′ 16″.

Strata sunk through to the High Main Seam, in the C Pit, Hebburn Colliery.

Approximate surface level 80 feet above sea (Ordnance datum).

m 1	Fs. 13	Ft. 2	ln. O	Fs.	Ft.	In.	Brought forward	Fs. 2	Ft. O		Fs. 48	Ft. 5	In.
Clay {	1	Z	Ü	_	_		Whin	0	1	5			
Brown metal	ō	3	6				White post	0	2	4			
Brown post, with	_	•	_				Grey metal, with post						
water	<b>8</b>	2	0				girdles	3	0	2			
Blue metal, with water	9	2	ŏ				Blue stone, with whin						
Black stone	ŏ	3	6				girdles	1	0	2			
~~ * 1	ŏ	_	10				Black stone	ō	ĩ	8			
COAL	U	v	10	33		10	Thill	ō	2	5			
Thill	0	3	0	33	J	10	Grey post	ĭ	_	10			
	v	J	U				Whin	ō	ī	6			
Grey metal, with post	,						Grey post, with fresh	٠	-	٠			
girdles	1	4	4				A	3	4	6			
Grey post, with water	1	0	0				3322.2	ŏ		11			
Blue stone	0	3	0					ŏ	3	6			
White post	0	2	.0				Grey post Whin	ŏ	1	2			
Blue stone	0	0	11				· -	ő	5	2			
Grey post, with whin	0	4	8				Grey post	ő	3	3			
Blue stone	0	0	4				Blue stone	_	_	_			
White post, with water	1	4	0				Scamy post	0	3	4			
Blue stone	0	0	3				COAL	0	0	6		_	
Grey stone, with water	0	5	0				l	_			16	1	(
Blue stone	0	0	2				Black thill	0	1	2			
Grey post, with water	0	0	6				Grey thill	1	1	2			
Blue stone	0	0	2				Black band, mixed						
Grey post, with water	1	4	11				with coal	0	0	5			
Scamy post	0	0	7				Black thill	0	1	7			
Grey post, with water	0	1	0				Whin girdles	0	0	11			
COAL	0	0	3				Blue stone, with whin						
				9	5	1	girdles	1	2	8			
Thill	0	2	0	-	-		COAL	0	0	4			
Black stone	Õ	ō	2				· _				3	2	1
COAL	ŏ	ŏ	2				Black thill	0	1	1			
· · · · · · · · · · · · · · · · · · ·	_		_	0	2	4	Scamy post	1	1	4			
Thill	0	3	3	·	~	•	Blue stone, with whin			_			
Blue stone, with water	ĭ	5	6				girdles	1	2	7			
Grey post, with water	i	_	11				COAL	õ	ō	8			
	ō	5	6					_			2	5	1
Blue stone COAL	0	0	4				Black thill	0	0	1	_	U	•
COAL	U	U	4			^	O 41:111	ŏ	2	6			
m: :::	_	_		4	3	0	1371.3	ŏ	2	7			
Thill	0	2	2				1	ŏ	õ	4			
COAL	0	0	7	_	_	_	Scamy post			_			
****	_			0	2	9	White post	0	2 1	6			
Whin	0		10				Grey metal stone	0		0			
Thill	0	1	4	•			Whin girdles	0	0	7			
Grey post, with water	1	2	6				Grey metal and whin		_	_			
Scamy post	0	2	0				girdles	1	0	7			
	_												_
Carried forward	2	0	۵	48	5	0	Carried forward	2	4		71	2	

<sup>•</sup> Approximate sea level (Ordnance datum).

## No. 1,095.—HEBBURN.—CONTINUED.

Brought forward	2	4	2		Ft.	In. 5	Brought forward	6		9			In.
Black stone	0	0	3 8				White post	0	2	0	6	3	9
COAL	_	-	0	2	5	1	Whin	0	4	0	0	0	2
Thill	0	3	0				Dry white post, with						
White post, with whin	0	4	0				partings	7	3	0			
Blue stone, with whin			-				COAL	0	0	3			
girdles	0	4	7				Black stone			1			
Black stone, mixed							COAL	0	0	2			
with a little coal at	~	0					Thill	-	1	1	8	1	6
bottom	0	2	2				Grey metal, with post	0	1	1			
Thill	0		10				girdles o	2	1	7			
Blue stone, with whin			10				Black stone	õ	2	1			
girdles	0	1	2				Grey metal, with post	-	-				
Grey post, mixed with	-	-	-				girdles	1	3	3			
whin	0	2	0				Black stone, with whin						
Blue stone, with whin							girdles	2	2	0			
girdles	0	3	6				SOAL	0	0	3	-		
COAL	0	0	3					_		=	6	4	0
11.711	-	-	-	4	0	10	Strong grey thill	1	0	5			
Strong grey thill	0	3	10				Grey post Post—Main Post	9		0			
Grey post	0	0	7				THE	0	4	0			
Grey post	0	1	6				White post	0	2	0			
Blue stone, with a		-	0				Blue stone	1	0	0			
little coal at bottom	0	3	2				COAL - High Main	-		-			
Grey thill, with whin	1	1	0				Seam	1	0	2			
rey metal stone, with whin and post								-		-	13	2	-
girdles	3	2	0										
Carried forward	6	1	9	78	2	4	Total			1	13	2	

## No. 1,096.—HEBBURN.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat.

, Long.

Bored from the Thill of the High Main Seam, in the C Pit, Hebburn Colliery. Commenced, Mcy Sth, 1821; finished, September 29th, 1821.

Depth from surface to	Fs.	Ft.	In. Fs.	Ft.	In.	Brought forward	Fs. 6	Ft.	In. 4	Fs.	Ft.	In. 2
thill of High Main Seam			113	2	2	Metal Coal	0	2				
coal, loose, small, and foul	0	4	6			Grey metal Grey and blue metal	0	1		6	4	10
Grey metal and metal stone, with iron- stone girdles	5	3	10			stone, with post	3	4	4			
	-	_			-		-	-	_	_	_	-
Carried forward	6	2	4 113	2	2	Carried forward	3	5	10 1	20	1	0

# No. 1,096.—HEBBURN.—CONTINUED.

Fs	Ft. In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward 3	5 10	120	1	0	Brought forward			1	19	4	
Black metal 0	1 2	-			Dark metal	0	0	6			
Blue metal 0					Grey metal stone, with	-		-			
White post 0 Blue metal, inclining	1 10				hard girdles	1	2	0			
Blue metal, inclining					COAL, foul, mixed		-	-			
to post, with thin					with slaty metal	0	1	9	4		
ironstone girdles and					Dayle slater metal	-	0	-	1	3	11
	5 1 0 7				Dark slaty metal	1	0	0			
COAL-Stone Coal 0	0 1	7	9	6	Blue metal stone, with post girdles	0	5	3			
Blue metal stone and	-		0	0	Strong white post,	U	0	0			
thin girdles 0	3 9				mixed with whin	0	1	0			
Strong white post 0					Blue metal stone, with		*	v			
Blue metal stone 1	0 3					0	5	10			
White post 0	4 6				post girdles Strong white post		1				
Blue metal stone, with					Grey metal stone, with	7					
post girdles 5	0 2				hard girdles	0	3	0			
COAL-Yard Seam 0	1 5				Six-Quarter Seam-						
		7	5	1	COAL, coarse, with						
Black slaty metal 0	0 4				slaty scare bands	0	1	9			
Blue metal 0						_	-	_	6	0	6
COAL, foul 0	1 0				Blue metal and metal						
-	-	0	2	10	stone, with some						
Blue metal stone, with					beds of post	3	2	0			
	1 10				beds of post Black slaty stone,	-	~	-			
COAL 0	1 1	1	-		mixed with foul coal						
		1	2	11	and sulphur-Five-						
Grey and blue metal 0	2 1				Quarter Seam	0	2	6			
COAL 0	1 3		2			_	_	_	3	4	6
	_	0	3	4	Blue metal	0	1	6			
Grey and blue metal					Blue metal stone, with		-	0			
white post 0	4 2				thin girdles	2	2	6			
White post 0	0 10				Strong white post	4	ĩ	8			
Blue metal stone 0	5 7				Grey metal stone	0	3	4			
White post 0	2 4				Strong white post	0	2	10			
Blue metal stone and	9 0				Blue metal	1	4	10			
hard thin girdles 8 Softish grey metal 0					TORSE TORSE TO SECTION AND ADDRESS OF THE PARTY OF THE PA						
	0 0				Low Main Seam-						
Bensham Seam-					coal, with Ft. In.						
COAL, coarse,					COAL, slaty 0 3						
with sulphur,					COAL, coarse 0 10						
pretty strong					COAL, slaty 0 8						
and burns to brownish Ft. In					COAL, coarse,						
white ash 2 8					with sulphur 1 2						
COAL, foul					-	0	5	5			
and softish,						_	-	_ 1	10	4	1
with a mix-					Black metal, with					-	
ture of black					sulphur	0	0	11			
metal 0 7					Grey thill						
COAL, coarse,					White metal stone	0	2	9			
with sulphur,					White post	0	1	8			
not so strong					Blue metal stone	0	1	8			
as the first in					White post	0	1	8			
this seam, but					Blue metal stone	0	1	0			
nearly of the					White post	0	2	2			
same quality 2 2					Blue metal stone	0	1	8			
0	5 5				White post	0	2	2	-		
	_	11	3	10		-		-	2	5	5
Chamila &		140	4	e	Total			77	74	4	11
Carried forwar	u	149	4	6	Total			1	*	-3	=
								X			

## No. 1,097 .- HEDDON.

#### TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

The second Hole bored in a Coal-pit, about the middle of Heddon on-the-Wall Banks, where sunk 9½ fathoms. January 22nd, 1740.

Approximate surface level feet above sea (Ordnance datum).

Pour le	Fs.	Ft.	In.	Fa.	Ft.		Fs. Ft. In. Fs. Ft. In.
Sunk				59	9	U	Brought forward 2 2 0 17 3 3
Gravelly stone and		4	-				Blue metal, with grey
small coal	1	4	6				post girdles 2 3 0
Grey metal stone, with							Grey metal 0 1 8
post girdles			6				Ft. In.
COAL	0	1	2				COAL, good 2 1
			_	3	0	2	Grey metal 0 4
Grey and brown metal	0	1	0		- 70	81	COAL, good 0 8
Brown and grey post	1		0				0 3 1
Open brown post, with		0	v				5 3 9
	0	-	-				
water							Grey metal 0 1 0
Brown and grey post	1	3	0				White post 0 3 0
Ft. In.							White and grey metal,
COAL, open 1 4							with catheads 1 3 0
Slate or band 0 1			-				Ft. In.
COAL, open 0 8							COAL, good. 0 6
	0	2	1				Soft grey metal 0 7
			_	-5	0	1	Soft grey metal 0 7 COAL, good. 3 2
Grey metal	1	1	0	-		•	— 0 4 3
		4	U				
White post, and set			-				2 5 3
away the water	1	0	0				Soft grey metal 0 1 0
Grey metal, scared							In grey metal 0 0 6
with coal	0	1	0				0 1 6
Carried forward	2	0	0	17	0	3	Total 26 1 9
Carried forward	2	-	0	TI	0	0	Total 26 1 9

## No. 1,098.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

The third Hole bored on the Bank Head, near Heddon-on-the Wall. March 5th, 1740.

Soil and brown gravelly clay Broken brown post		Brought forward Brown post Brown grey metal	1	3 0	
Carried forward	1 3 0	Carried forward	2	5	

## No. 1,098.—HEDDON.—CONTINUED.

Fa. Ft.		Fs. 1	Ft.	In.	Brought forward	Fs.	Ft.	In.		Ft.	In.
Brought forward 2 5	U				1	1	0	Λ	ð		·
Pt. In.					Grey metal Grey metal, with brown		v	U			
COAL and black						Λ	4	0			
slate 0 10					and grey postgirdles	U	**	O			
COAL, very					Grey metal stone, with	^	4	c			
open and						0	4	O			
small 1 6					Grey metal, scared	_	^	^			
COAL, open					with coal	U	0	9			
and small,					Grey metal, with grey	_	_	_			
with water 2 0					post girdles	z	3	0			
0 4	4				Grey and black metal	1	1	6			
0 4	•	_	_		COAL, good	0	2	1	_		
		3	3	4				_	6	4	7
Grey metal 1 3	6				Grey metal	0					
COAL, open 0 1					COAL, good	0	0	8			
	•	_		_					0	3	8
<del></del>	-	1	4	9	Grey metal, with grey						
irey and brown metal 0 1	4				post girdles	3	0	0			
Grey and brown post,	-				Ft. In.						
with water 3 2	0				COAL 0 5						
Ft. In.	•				Soft grey metal 0 7						
COAL, open 1 2					COAL,good 3 2						
Black metal 0 2						0	4	2			
COAL, open 0 6									3	4	9
— 0 1	10				Soft grey metal	0	0	5	_	_	
U 1	10				In grey post	ŏ	ŏ				
	_	3	5	2	an Brey post	_			0	0	7
Carried forward	-	9	1	3	Total				20	2	_
Ca.rica for ward		_	-	•	10001		•••	=		<u> </u>	Ľ

## No. 1,099.—HEDDON.

#### TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Account of the Boring at Heddon-on-the-Wall Ground to the West from the Reigh. near Close House Gardens. October 30th, 1740.

	Fs.	Ft.	In.	Fs.	Ft. ln.			Fs.	Ft.	In.	Fs.	Ft.	In.
First of soil	0	1	6			Brought forw	ard				4	2	10
Brown sandy clay	0	4	U			Grey metal, with p	oost						
Blue stony clay	1	0	U			girdles and wa			3	U			
Brown sandy clay						Soft grey metal		1	3	U			
	2	0	U			(trey inetally stone		2	1	0			
Black stony clay	U	3	0			Open grey post, w	rith						
	0					water (water 1							
		_	_	4	2 10	to top)		υ	1	2			
Carried fo	ru ar	d		.1.	2 10	Carried forwa	rd :	2	2	•	.1.	2	10

# No. 1,099.—HEDDON.—CONTINUED.

Carried forward		Ft.					Brought forward		Ft.			Ph 1
Blue and black metal,							Grey metal, with gir-					
with catheads		4					dles or lumps					
COAL	0	0	4				COAL	0	1	0		
	-	-	-	9	1	0		-		-	9	13
	2						Grey metal					
COAL	0	1	6				COAL	0	0	6		
	-	-	-	2	4	6		-	-	-	0	1
Grey metal	0	4	6				Grey post	0	1	6		
Grey metal, with post	1	-	-				Grey post, with scamy			Е		
girdles	0	3	0				partings		1	8		
White post, with scamy partings and much		-					Open parting, with water, which rose	-	•			
water	2	3	0				to top	0	0	4		
Black metal White post Black stone	0	2	0				Strong white post,	7		-		
White post	0	3	0				mixed with whin	0	4	6		
Black stone	0	4	8				Blue metal parting					
White grey metal	1	4	0				In white post					
White post, with whin girdles and scamy			0					_	-	-	3	
partings	1	3	0									
Carried forward	8	3	2	16	2	4	Total			-	29	

## No. 1,100 .- HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

An Account of Boring on the North side of Heddon, in the North Field Bog, near Stone Wall that parts Lord Carlisle's Estate from that of Mrs. Hindmo October 3rd, 1757.

G. Humble & Co. bored 15 fms. 3 ft. and got	Fs.	Ft.	In.	F8.	Ft.	In.	Brought forwar Black metal, scar	rd 1		. In.	Fa. 15
what is called the							with foul coal	(			
North Field Coal							Black metal				
(3 ft. 5 in.), and then							COAL	(	) 3	0	-
J. Rawling began at the thill of the coal							Soft grey metal	(	1	6	2
and bored from				15	3	0	COAL		0		
Blue metal	0	1	0	-	-			_			0
Grey metal, with post							In grey metal				0
girdles	1	3	0								
Carried forward	1	4	0	15	3	0	Total				18

## No. 1,101.—HEDDON.

## TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. About Lat. 54° 59' 18", Long. 1° 46' 44".

#### Bored in Heddon Colliery about 600 yards to the West from Throckley Engine. November 22nd, 1762.

Approximate surface level 25 feet above sea (Ordnance datum).

Soil and clay				Fa.	Ft.	In. 6	Ps.	Ft.	In.
Soft brown rambly stone	•••		•••	ī	ī	6			
COAL	•••		•••	ō	ī	9	_		•
T01				(1	2	3	2	4	9
Blue metal stone, with girdles	•••	•••	•••	lσ	Z	6			
In strong grey post	•••			0	2	6			
					_	-	2	1	<b>' 3</b>
· -							_		
Total	•••	•••	•••		•••		5	0	_0

Approximate sea level (Ordnance datum).

## No. 1,102.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE WALL, NORTHUMBERLAND.

Sheet 96 of Orduance Map. About Lat. 54° 59′ 18″, Long. 1° 46′ 29″.

Second place, bored about 300 yards East from the first place.

Approximate surface level 25 feet above sea (Ordnance datum).

Soil and stor Sand and gra Broken brow	avel	l, with v	vater	 brown	 gravel,		1	5	0	Fs.	Ft.	In.
water COAL	•••	• •••		•••			_		0 3		^	
In grey meta	al		•••			•••			_	0	ő	3
		Total		•••				•••		<u>4</u>	0	_6

<sup>\*</sup> Approximate sea level 6 inches below this.

## No. 1,103.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. About Lat. 54° 59' 18", Long. 1° 46' 38".

Third place, bored in Heddon Banks, about 100 yards West from the second place,
Approximate surface level 25 feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In. 6 2 4
	0 3 0
White post	0 2 6
Grey scamy stone	0 4 6
	0 2 0
and thouse the	- 3 1 0
1 2 2 2	- 010
COAL 0 6	
Grey metal 0 5	
	0 4 0
	0 4 0
6 2 4	-
6 2 4 Total	9 3
	White post Grey scamy stone White post Blue metal  COAL 0 6 Grey metal 0 5 COAL 3 1

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,104.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

Bored in Thos. Softley's Field, 100 yards South-east from Heddon Reigh. April 13th, 1763.

	Fs.	Ft. In. Fs. Ft. In.			Fs.	Ft.	In.	Fs.	Ft.	In
Blue metal	0	1 6	Brought forwa	rd						
Grey metal		3 0	Blue metal		0	0	8			
White post	0	2 2	Whin girdle		0	0	7			
	0	0 10	White grey girdles		0	1	10			
Brown post, with cash			Grey girdles		0	1	24			
partings	0	1 61								
partings Brown post	0	0 7			0	5	1			
Cashy partings	0	0 3		***	0	1	5			
Blue grey girdly stone,					-	_	_	3	5	7
with partings		0 11								
Carried forward	1	4 94	Carried forward	d				3	5	7

# No. 1,104.—HEDDON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.		In. 7	Fs. Ft. In. Fs. Ft. In. Brought forward 1 0 0 8 0115
Thill	0	3	0				White grey girdly
Blue metal	Ō	1	1}				stone 1 0 0
Blue metal, with grey	_	_	-2				Cashy parting 0 0 21
girdles	0	1	2				Grey girdles 0 0 4
White post	Õ	4	61				White grey post 0 1 11
Grey post	•	2	1				Grey metal 0 1 51
Whin girdle	Õ	ō	52				White grey post 0 2 7
Blue metal	^	3	ĭ	•	•		Brown post 0 1 0
Hard white grey post		_	7}				Strong white post 0 1 0
Blue grey metal	•	3	4				Cashy parting 0 0 3
Blue grey metal	^	ĭ	5				Brown post 0 0 3
AAA 1	ŏ	2	6 <del>1</del>				Hard white post 0 1 51
COAL	_		- 05	4	1	41	TT
Soft thill	0	1		_	1	*8	
Grey metal	Ŏ		11				
Carried forward	1	0	0	8	0	111	Total 12 0 71

## No. 1,105.—HEDDON.

#### TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat.

, Long.

## Account of Boring at Heddon Colliery, about 200 yards North-West from Heddon New Winning. July 18th, 1763.

Soil and clay				Fs. Ft. In.	Carried forward	Fs.	Ft.			Ft.	
Gravel					Grey metal stone	4			•	_	
Sand and gravel, with	_	_	-		Grey post, with brown	_	-	-			
water at the bottom	2	1	6		scames, and water						
Brown post	0	0	8		near the bottom	2	0	0			
Blue metal					White and grey post	3	1	6			
Ft. In.					Blue grey metal	0	3	0			
COAL, foul 1 9					Black metal	0	0	6			
Grey metal 0 10					COAL, with water						
COAL 0 7					at the top	0	2	4			
	0	3	2		_				10	1	4
	_			5 2 10	ł						
		_									_
Carried for	W.B.	rd		<b>5 2 10</b>	Total		• • •	_	15	4	_2

## No. 1,106.-HEDDON.

#### TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

, Long.

Sheet 96 of Ordnance Map. Lat.

Second place, bored on Heddon Banks, about 180 yards to the West from the first and about 500 yards East from the Close House Boundary. 1763,

Approximate surface level feet above sea (Ordnance datum).

Soil and gravelly clay Strong stony clay Brown post Blue grey metal	1 4	3	6	Brought forward 10 3 0 Soft black slaty metal 0 0 6 COAL, but will not cake or burn to any
Grey scamy stone Blue metal stone Grey scamy post, with	0	3	9	cinder 0 2 6  In grey metal 0 0 0 4
bard girdles		3	0	angley mean
Carried forward	10	3	0	Total 11 0 4

#### No. 1,107.-HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 59' 27", Long. 1° 46' 54".

Bored in the Richard Pit, at Heddon, from the Thill of the Main Coal. April 3rd, 1764.

v	Fs.	Ft.			Ft.		Brought forward				Fa.		
Main Coal		-		10	0	0					23	1	9
Soft grey thill	0	0	9				Grey metal stone		1	U			
Strong white and							Grey and brown post,						
brown post	1	0	0				with water		2	0			
Brown and grey post	1	3	0				C	0	1	8			
Blue metal	0	1	6				Grey metal stone	0	4	4	_		۰
Grey and brown post,	-	0	-				Guan and busines and	0	*	-			
with whin girdles		2	0				Grey and brown gul-	-	^	n			
	*	0	0				lety post, with water						
Frey metal and metal	-	-	0				Grey and white post						
stone							Blue metal						
White and grey post			0				White post	0	0	6			
Grey metal stone							Black and blue metal						
Frey metal	0	1	0				COAL, rather hard						
Ft. In.							near the bottom	0	2	5			
COAL 1 5							near the bottom	-	-	_	12	0	
Blue grey metal 1 0							The second second	38			14	0	17
							Hard girdle	0	0	3			
COAL, with							In grey metal stone	0	0	9			
water, rather									- 3		0	1	
slaty at the top 0 8				-	-						-	-	
	_	_	-	7	1	4	-				-		
				-	_	-	m-t-1				ior	0	
Carried for	WO.	-7		23	1	A	Total		***		99	3	

<sup>\*</sup> Approximate sea level (Ordnance datum).

## No. 1,108.—HEDDON.

## TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Account of Boring on Heddon Estate, about 100 yards North from the Turnpike, in Blakey's West Field, and about 140 yards South-west from Captain Slater's Pit.

Approximate surface level feet above sea (Ordnance datum).

Clay						Fs.	Ft.	In.	Brought forward				Fs.		
COAL			0	0	2				Black stone and white	-	-	~	-		
Grey thill			1	0	8				girdles	1	3	5			
White and	dun	post	0	3	0				COAL and blue stone	1	3	0			
Black stone	and t	white								_	_	_	3	1	11
girdles		***	1	5	4				Thill	0	2	0			
COAL									Grey post girdles Black stone	1	1	6			
			_		_	4	3	7	Black stone	0	3	0			
Thill			0	1	6			00		-	_	_	2	0	6
Carried	£	hand	-	1	0	-	0	-	Total				10	-	0
Carried	TOLW	aru	0	1	0	4	9		Total		Six	-	10	U	

## No. 1,109.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

First place, bored in a Staple at Heddon Banks.

	Fs. Ft. In. Fs		Fs. Ft. In. Fs. Ft. 1
Sunk about	8	0 0	Brought forward 6 4
Box	0 1 6		Grey metal stone 0 2 2
Brown and grey scamy		1111	COAL 0 0 3
	0 1 10		
metal			Grey metal stone, with
COAL			post girdles and
Grey metal, with		17.0	metal partings 1 4 0
brown scames and			Grey scamy post 0 5 0
post girdles with			Grey metal 0 1 0
			COAL fool
water			COAL, foul Ft. In.
COAL, but will not		ENCO!	and slaty 0 6
cake	0 0 11	mi Town	Grey metal stone 0 5
	8	4 8	COAL 3 1
			0 4 0
			3 4
			- 0 1
	-	The same of	0 110 1 10 0
Carried for	eward 6	6 4 8	Carried forward 10 3
			v
			1

## No. 1,109.—HEDDON.—CONTINUED.

Brought forward				Fs.			Brought forward	Fs.	Fi.	In.	F8.	FL	In
Dunnish grey metal				10	0	-	Dun metal					0	U
Grey scamy metal							Dun metal stone, with						
stone	0	3	0				water	1	5	6			
White post	1	2	6				Grey metal stone and						
Grey and brown scamy							girdles	1	5	0			
metal stone	0	3	0				Strong white post,						
Brown gullety post,							with gullety part-						
with water and set	-	-	-				ings near the top	-		-			
away the top feeders							and water						
Whin							COAL, with water	0	1	10			
Brown and grey post	0	5	6					_	_	_	13	0	0
Blue metal stone, with post girdles	1	3	7				Black grey metal stone				0	2	6
Blue metal												-	7
COAL, with water													
	_		_	6	2	11							
Carried forv	vard	1		17	0	0	Total				30	2	6

## No. 1,110.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Second place, bored at Heddon Colliery on the North side of the Turnpike.

Soil and clay			In.	Fs.	Ft.	In.	Brought forward		Ft.	In.	Fs.	-	
COAL, foul		1		0	0	0	Grey metal		1			-	
Soft grey metal	0	3	4	0	3	8	White and grey metal stone	0	4	10			
Brown and white post White and grey metal	0	4	6				COAL	0	1	2	1	1	10
stone	2	2	0				Grey metal stone	0	5	0	*	*	10
Brown post, with water	1	5	6				White and brown rambly post	1	3	0			
cake nor burn to any							Brown post	1	3	4	3	5	4
cinder	0	4	6				COAL			6			-
	7		_	6	1	10	Grey metal		0	2			
								_		_	0	1	9
							In grey metal stone				0	0	k
Carried for	war	1		6	5	6	Total			-	12	3	0

#### No. 1,111.-HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, SORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

First place, bored in a Staple at Heddon Banks.

Approximate sea level feet above sea (Ordnance datum).

Sunk about	Fa.	FL	In,		FL 3		Brought forward						In
White post	-	3	7		-	v	Pt. In.		-	-			
	ĭ						COAL 0 6						
	1						Grey metal 0 6						
COAL, foul	-	1					COAL 3 6						
iour	-	*	~		_	- 4		0	4	6			
	=	=	=	4	1	0			_		3	3	2
Grey metal	0	1	6				Grey metal	0	1	6			
Grey metal stone	-	3	6				White and grey metal	1	-	-			
	0	2	0				stone	3	.0	2			
Whin mixture .		2	8				Strong white post			4			
Grey metal stone	0	2	6				Grey post, with water			2			
Black metal, mixed							Grey metal	0	3	8			
with coal	0	0	9				COAL			7			
Transfer of the Con-		_	_	4	0	11		_	_		6	4	5
Grey metal stone, with							Grey metal	0	1	5			-
	1		0					0	0	7			
strong girdles Blue metal			6				Grev metal	0		3			
		v	0				White and grey metal		-	-			
COAL, but slaty Ft. In							stone	2	4	6			
at the top 1 9 Soft white metal 0 6							Strong white post,		-	-			
Soft white metal 0 6							with whin girdles						
Black metal,							and water in some						
							places	a	3	n			
mixed with coal 0 3	0						Black stone, with a	-	-	*			
	0	2	3				mixture of coal	o	0	6			
	_	_	-	2	2	3	COAL		2	6			
Grey metal	0	0	4					_			13	2	9
Grey metal stone, with	-						Black metal	0	0		-	-	-
post girdles	2	1	6				Dunnish grey metal		ĭ	-			
White and grey post		2	6				Grey metal stone	0	0	6			
Dark grey metal	0	0	4				City meens some	-		10	0	2	0
Dark grey metal	0	0				-					~	~	_
Carried forward	9	A	8	20	1	9	Total				44	1	6
Carried forward	-	-	0	-0	+	-	Local ::-	2.5		-	2.2	*	0

## No. 1,112 .- HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.

, Long.

Second place, bored on Heddon Banks on the South side of the Turnpike.

Approximate surface level feet above sea (Ordnance datum).

Soil and clay Fs. Ft. In. Fs. Ft. In. Rambly stone 0 3 0 0 2 0	Brought forward 0 5 0  White and grey metal stone 1 ?
Carried forward 0 5 0	Carried forward 2

## No. 1,112.—HEDDON.—Costinue.

	Pa.			Fa.	R	ia.		Ps.	R	h.	P
Benngist breward							Beneght forward	_			Ľ
Besera peak	3	•	6				Grey metal		1	6	
Bown and white past.							Grey metal stone, with				
	2							0			
COAL	0	0	5				COAL	0	0	8	
				5	2	•		_			
brey seamy metal	•	1	0				Strong grey metal				
irry matel state, with							strate	1	3	0	
water	1	4	•				Black metal, mixed				
COAL							with coal	0	0	5	
	_		_	2	1	2	Strong grey metal	•	_	•	
Grey metal	0	Û	6	_	_	_	stone. with post gir-				
Grey metal stone, with	_	•	_				des	1	0	0	
prat girdles	1	1	•				White and brown post.	-	•	•	
rey prat	â	i	7				with a mixture of				
Brown thready post.	•	-	•					3	4	Λ	
with water	•	1	•				Grey metal		_		
	_	3									
irey prat	U	•	U				Grey post		i		
strong grey post, mixed with whin	_		_				Strong grey metal	U	1	Z	
	_						R is				
irey prat	U	3	6				COAL 0 5				
White and grey metal						i	Black metal,				
stone, with hard gir-	_		_				mixed with				
dles and water						i	coel 0 2				
Dark grey metal stone							COAL 4 0				
rey metal stone								0	4	7	
COAL	Ú	1	Ú								
			_	9	1	0	In grey metal				
							- <del>-</del>				-
Carried forward	-d			19	4	11	Total				2

## No. 1,113.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59' 39", Long. 1° 46' 46".

Bored on Heddon Banks about 100 yards to the North from the Gee Pit.

Approximate surface level 340 feet above sea (Ordnance datum).

Fs.	Pt.	In. F	a P	t. In.	1			Ps.	Pt.	In.	Fa.
					Brou	ght for	rward	9	0	0	
0	4	0			COAL	٠		0	1	1	
								0	4	6	
											10
					Blue grev	metal	stone	0	5	5	
1	ī	0									
_										7	
0	0	6					• • • • • • • • • • • • • • • • • • • •				1
											_
9	0	0			j	Total					11
	0 0 0 1 4 0 1	0 2 0 4 0 1 1 0 4 1 0 4 1 1 0 0 0 4	0 2 0 0 4 0 0 1 0 1 0 0 4 1 0 0 4 0 1 1 0	0 2 0 0 4 0 0 1 0 1 0 0 4 1 0 0 4 0 1 1 0 0 0 6 0 4 6	0 4 0 0 1 0 1 0 0 4 1 0 0 4 0 1 1 0	0 2 0 Bron. 0 4 0 Grey meta 1 0 0 Grey meta COAL  3 1 0 0 Grey meta COAL  Blue grey Grey post In whin	0 2 0 0 4 0 0 1 0 1 0 0 4 1 0 0 4 0 1 1 0 0 4 0 1 1 0 0 0 6 0 4 6	0       2       0       Brought forward         0       1       0           1       0       0       0           0       4       0        Blue grey metal stone         Grey post            In whin           In whin	Brought forward 9   COAL 0   Grey metal 0   COAL 0	Brought forward 9 0 COAL 0 1 Grey metal 0 1 Grey metal 0 1 COAL 0 1 Grey metal stone 0 5 Grey post 0 2 In whin 0 0	Brought forward 9 0 0 0 COAL 0 1 1 1 Grey metal 0 1 0 1 0 4 1 0 0 4 0 0 1 1 0 0 0 4 0 0 0 0

<sup>\*</sup> Approximate sea level 2711 feet below this.

## No. 1,116,-HEDDON.

## TOWNSELF OF MEDDIN-ON-THE-WALL, SUSTREMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Account of Strate much through in the Margaret Pit, Heddon Colliery. Approximate surface level feet above sea (Ordnance datum).

Pr. Fr. In Fr. Fr. In Soil 0 3 0	Brought forward 2 1 0
1 0 1 0	
0.031	COAL 0 6
777	19-
0.04	COM 0 20
W. J. W. W.	Splint 0 4
ADM 9 0	79
(9 0	- 0 5 1
City 2 8	0 0 1
405	Clay, with iron balls 0 2 3
Sine metal 1 5 5	White post 0 5 0
trong light metal 0 1 0	Blue metal 0 0 5
Dark metal 0 4 1	White post 0 3 0
Villy Seam — Pt. In.	Blue metal 0 0 9
COAL 1.1	White was a second
01.0	Discount 0 0 0
Clay 2 10 0 3 11	White-most 1 0 0
3 2 5	Grey and white post 0 3 9
	Dian
Vhite post, with part- ings 4 1 3	White most o o o
	THE STATE OF THE S
Iodge Seam— Ft. In.	DI I. O
COAL 2 1	COAL
Clay, with	(1)
iron balls 4 3	001
- 1 0 4	
5 1 7	Clay 2 6
Blue metal 0 1 0	- 0 5 7
Vhite post 0 0 6	Class with inn bills 0 9 5
Park metal, with post	Clay, with iron balls 0 2 6
girdles I 0 5	Grey metal 0 3 6
Dark metal 0 0 6	White post 0 4 6
rey metal 1 0 4	Blue metal 0 3 9
ost, with partings 1 1 7	Clay Seam— Ft. In.
ost, with whin 1 1 5	COAL 0 1
rey metal 0 4 0	Clay 1 6
hree-Quarter Seam—	- 0 1 7
Ft. In.	C
COAL 2 4	Grey post 1 4 6
Clay band 1 0	Leafy post 7 5 0
COAL band 0 6	Post, with blue metal 0 5 3
Clay 1 6	Brockwell Seam-
0 5 4	Ft. In.
6 3 1	Ramble 0 2
White post 0 5 0	COAL 2 8
lue metal 1 2 0	Splint 0 4
	Clay 1 5
	- 0 4 7
	1
	Into hard white post.

## No. 1,117 .- HEDLEY.

#### TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

# Bored in Hedley Town. August 25th, 1744.

Approximate surface level feet above sea (Ordnance datum).

ravel, with water	Fs. 3		In. Fs. Ft. In.	Brought forward 21 1 0
Sand	0	5	0	Brown and grey post 2 0 0
Soft leafy clay Stony clay	3	4	0	Brown and grey post,
Stone clay	4	3	0	with water in sandy
Sand	1	5	0	places 10 3 0
Soft leafy clay and	-	-	-	White post, with coal
sand	0	1	6	pipey partings 2 5 0
Stone alan	1	9		Black and grey metal,
Stony clay Blue and grey metal	0	1	6	scared with coal 0 3 0
The state of the s	0	-		
Brown scamy post,				COAL 2 10
and set away the	0	9	0	Slate or band 0 2
water	0	9	u	COAL 2 3
Brown scamy post,		•	^	FIRST INC. IN C. L. L. L.
with water	1	U	0	- 0 5 3
Brown and grey	-	~		37 5 3
scamy post	2	0	0	Into grey metal 0 0 6
Brown scamy post,				
and set away the				
water	1	1	0	
A COLUMN	-	-	-	STATE OF THE PARTY
Carried forward	21	1	0	Total 37 5 9
- ward for ward	-	-	*	10th 07 0 0

## No. 1,118.—HEDLEY.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 54′ 8", Long. 1° 39′ 44".

Bored about 100 yards South of Hedley, in Middlemas' Farm. Level with Beamish Drift.

Approximate surface level 520 feet above sea (Ordnance datum).

Soil Sand and gravel Sand, with water	***		 ***	***	Fs. 0 1 2	5 0	In. Fs. 0 0 0	Ft.	In.
with leafy ch		144	 		6	0	0 0 — 11	0	0
То	tal	100	1				*11	0	0

roximat

et below this.

# No. 1,119.—HEDLEY.

#### TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 51′ 2″, Long. 1° 39′ 44″.

Bored about 300 yards South of Hedley, in Nicholas Cowey's Farm. June 7th, 1744.

Approximate surface level 495 feet above sea (Ordnance datum).

Black peat moss	0	Ft.	In. Fs. Ft. In.	Brought forw	ard	Fs. 18	Ft.	In.	Fs.	Ft.	In.
Sand	0	1	6	Sand and gravel							
Soft leafy clay	1	3	0	Gravelly or brok			-	~			
Sand, with water	1	3	0	post, with water		3	2	0			
Sand, scared with soft				Gravelly or brol							
elav	0	3	0	post, with stony c							
Lonfe clay	3	1	0	and layers of e		1	3	0			
Stony clay	2	3	10	COAL, mixed w							
Sand, mixed with leafy				sand		0	5	0			
clay and water	3	0	0				276		24	0	4
Soft leafy clay	0	5	0	Stony clay		5	0	0			
Sand	1	0	0	Stony clay Leafy clay	***	1	3	0			
Brown sandy clay	0	4	0	Stony clay	***	1	2	2			
Soft leafy clay	2	3	0			-	-	-	7	5	2
Carried forward	18	0	4	Total					31	5	(

<sup>\*</sup> Approximate sea level 3031 feet below this.

## No. 1,120.—HEDLEY.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Sinking Account of Pit South of the Village, Hedley Colliery.

Soil and clay Slaty sandstone Soft blue metal		0 1 0	0 3 3	6 0 0	Fs.	Ft	In.	Brought forward 10 0 0 12 2 10  Five-Quarter Seam— COAL, ten-
Soft blue plate	***	5	0	0				der, with a
COAL, splint		0	1	1	7	1	7	bit of hard Ft. In. band 0 4
Blue plate		5	0	0				Shale 0 01
COAL	72.	0	1	3				COAL 2 9
		1	_	_	5	1	3	- 0 3 1
Sandstone		9	0	0				10 3 11
Plate		1	0	0				1.0
Carried for	ward	10	0	0	12	2	10	Carried forward 22 5 111

# No. 1,120.—HEDLEY.—CONTINUED.

Brought forward 22 5 111 Sunk in the summer	Brought forward 2 4 0 22 5 11.  Six-Quarter Seam—
of 1839:— Thill of 5/4 Seam 0 4 0 Blue stone 2 0 0	COAL, tender Ft. In. and scamy 1 9 Band 0 1 COAL 1 9
	0 3 7
Carried forward 2 4 0 22 5 113	Total 26 1 6

Carried forward	2	4 0 2	2 5 1	13		To	tal .	·• .	=	26 1 6	į
	1	No. 1,1	21.—	-HED	LEY	FELI	<i>1</i> .				=
		TOWNS	нір о	P HEDI	LEY, DU	RHAM.					
Sheet	of O	rdnance	Map.	Lat.	<del>-</del>	, L	ong.				
Note of the Colours		Stones 100 ya						le of th	e Hor	se Race,	,
Approxi	mate :	surface	level	feet a	above s	ea (Ord	nance	datun	ı).		_
Freestone po	et stone					14 8	0 2	In. Fs. 0 0	Pt. In	ie.	-
White thill							L 0	0 - 18 0	2 0		
		Total	•••			•••		18	3 0	) ;	
			N	o. 1,1	22.						
Sec	ond p	lace, 10	0 yard	is Sout	h-east j						
Sunk <i>Bored</i> :—	. <b></b>	•••	•••	•••			LFt.	In. Fa. O	Ft. In.		
Blue metal COAL	•••		<b>.</b>				2 0	0 4	0 0	)	
White thill			•••		•••	•••		0	1 5	•	
		Total	•••	•••	•••	•••	•••	4	1 5	,	
			N	o. 1,1	23.		•				
Hole bored	in the	East s	ide of	Hedley	Fell, a						
Earth Yellow post White post Blue grey st COAL	tone					8	7n. Ft. 3 3 3 3 3 1 3 1 1	In. Fs. 0 0 0 0 0 0	Ft. In		
	,	Total						14	1 (	-	

#### IN ATTOUTH OF THE STRATE OF

## In Life - AUDLEY PALL - CHARGE

		_						
ines s	Trugas ?	iae.	a iTrai	lag Iril	ودا	一门 相抗	54.	
rate Vate jour					. 3			
icai		•					D 3 5	
	See	••	••				W 3 5	
		<b>J</b> ii	L	<b>5.</b>				
En	le same IM	-	. Bouth					
Roots In strong whit			<del></del>	••	1	b -} -! B -0 -6		
	Luni			-			7 9 9	

1972.—Bereits other places were bound by J. Walse where no eval was got.

## No. 1,128.—HEDLEY HILL

#### TOWSARIP OF MEDLEY HOPE. DURMAN.

Mhest 25 of Ordnance Map. Lat. . Long.

rank through in a Staple sunk for centilating purposes at Hedley Hill Colliery, ituated about three miles from Tow Law in an Easterly direction. (This officery is wrought by a drift put in at the hill side.)

-					Fs. Pt. In.	D	LA 8					Pa.	Pt.	In.
		0	4	()			at iorw	aru.	9	_	U			
		0	5	0		Blue stone	•••		0	1	0			
		3	0	0		Post			0	3	0			
				- 1		Blue stone			0	3	6			
			-			Post			1	0	0			
		-	ĭ	-		Blue stone			0	3	0			
			Ā	-		Post			0	1	0			
			-	-					Ó	ī	Ō			
•••	•••	-	-						ñ	9	ň			
• • •				-		OOAL	•••	•••	٠	·	-	10		_
		0	4	0						_		13	Z	6
		_					<b></b>							_
forw	ard	9	5	0		1	Total	•••		•••	_	13		_6
			0 0 3 2 0 0 0 0	0 4 0 5 3 0 2 3 0 3 0 1 0 4 0 2 0 2	0 4 0 0 5 0 3 0 0 2 3 0 0 3 0 0 1 0 0 4 0 0 2 0 0 4 0	0 5 0 3 0 0 2 3 0 0 3 0 0 1 0 0 4 0 0 2 0 0 4 0	0 4 0  0 5 0  0 5 0  Blue stone  Post  0 3 0  0 3 0  0 1 0  0 4 0  0 3 0  0 2 0  0 4 0  0 2 0  0 4 0	0 4 0 Brought forw 0 5 0 3 0 0 2 3 0 0 3 0 0 1 0 0 4 0 0 3 0 0 2 0 0 4 0 0 4 0 0 4 0 0 2 0 0 4 0	0 4 0  0 5 0  3 0 0  3 0 0  0 3 0  0 1 0  0 4 0  0 3 0  0 4 0  0 3 0  0 4 0  0 3 0  0 2 0  0 4 0  0 4 0	0 4 0 Brought forward 9 0 5 0 Blue stone 0 3 0 0 Post 0 0 3 0 Blue stone 0 Post 1 0 1 0 Blue stone 0 Post 1 Blue stone 0 Post 0 Blue stone 0 Post 0 Blue stone 0 COAL 0	Brought forward   9 5	Brought forward   9 5 0	Brought forward 9 5 0  Blue stone 0 1 0  Blue stone 0 3 0  Blue stone 0 1 0  Blue stone 0 1 0  Blue stone 0 1 0  COAL 0 1 0  COAL 0 3 0	Brought forward   9 5 0

## No. 1,127.—HEDLEY HOPE.

TOWNSHIP OF HEDLEY HOPE, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 44′ 54", Long. 1° 47′ 41".

An Account of Strata sunk through in Edward Pit, Healey Hope Colliery, near Crook.

Approximate surface level 830 feet above sea (Ordnance datum).

	Fs.	Ft	In.	Fa.	Ft.	In.		Fa	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	6				Brought forward				12	0	9
Blue clay	2	3	0				Seggar clay	1	0	4			
Grey post	0	2	2				Ironstone girdle	0	0	3			
Grey metal	0	2 2 2	2 2 2 2				Grey post	1	1	0			
Whin	0	2	2				Whin	0	1	2			
Blue metal	0	2	2				White post	0	1	9			
Whin	0	2	0				Grey metal, with gir-	-		-			
Blue metal, with post			3				dles	0	5	0			
girdles	1	0	0				Blue metal	0	2	o			
Grey post	0	4	0				Ironstone	0	õ	4			
Blue metal, with iron-	-	*	-				Blue metal	0	3	7			
stone girdles	1	0	0				COAL - Brockwell						
COAL	ō	- 20	11				O-base	0	1	01			
	-	-	**	7	1	1	Seam	U	.A.	05		1	51
Seggar clay	1	5	0		-		Seggar clay	0	2	0	0		03
Post, mixed with whin	ō	3	0					2	0	0			
DI LI	1	0	0				Grey post Blue metal		4	0			
	0	ő	5				Blue metal	0	4	0		0	0
THE LAND	0	5	0							_	0	0	U
	0	_ 0	3				(						
Ironstone girdles	0	.0	-										
Blue metal	0	1	6										
COAL	U	2	6		-								
	-		-	4	5	8	(7.7						
Carried for				12	0	9	Total				90	9	91
Carried 10:	war	ct		14	0	3	Total		***	-	40	-	43

<sup>\*</sup> Approximate sea level 707# feet below this.

## No. 1,128.—HEDLEY HOPE.

TOWNSHIP OF HEDLEY HOPE, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Account of Boring & S.E. of Low Hedley Hope Farm House and in Hedley Hope Royalty. Second Hole.

Approximate surface level feet above sea (Ordnance datum).

Soil Fs. Ft. In. Fs. Ft. In.  Brown strong clay 0 3 6  Brown rambly post,	Breught forward 2 0 7 Blue metal 0 0 4 COAL, rather tender	Fs.	Ft.	In.
with water 1 2 4	-Main Coal Seam 0 3 6	2	4	5
Carried forward 2 0 7	Carried forward	2	4	5

## No. 1,128.—HEDLEY HOPE.—CONTINUED.

Dl. 6l	Fs.	Ft.	In.		Ft.		Brought forward		Pt.				
Brought forward			-	Z	4	Đ	Group matel	^	۰	۰	23	3	9
Frey metal		2	•				Grey metal	U	2	3			
Brown and grev post,		_	_				White post, with beds						
with soft parting	Z	3	6				of metal stone and						
Dark metal stone, with							water	4	4	1			
ironstone girdles and							Grey metal stone, with						
scares of coal near							post and iron girdles	3	5	3			
the bottom	2	5	0				White post, with						
Grey metal stone, with							water	1	1	0			
post girdles	4	0	6				Grey metal stone, with						
Grey post, with brown							water	3	2	0			
partings	1	2	0				White post	0	3	6			
Grey metal stone, with							Grey metal stone, with						
post girdles	1	0	7				post girdles		5	3			
Brown post	4	Ō	5				COAL						
White post, with metal	_	_	_				Grey metal stone	0	2	0	)		
partings and water	2	0	6				White post, with whin	-	_				
Black metal								0	4	4			
COAL, foul			7				B	_				. (	n
	_	_		20	5	0							•
Carried for				 23	3	- 5	Total				4	_	3

## No. 1,129.—HEDLEY MOOR.

## TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

# Bored on Hedley Moor, near Beamish. 1731-2.

Soil and sand Sand, with water Soft leafy clay Sand, mixed with coal Sandy channel Soft clay, mixed with sand	2 1 0 1 0	0 3 3 4 1	0 0 0 0 6	ı Ft. In.	Fig. Ft. In. Fig. Ft. In.   Fig. Ft. In.
Carried forward	9	5	6		Total 18 0 0

### No. 1,130.—HEDLEY MOOR.

#### TOWNSHIP OF HEDLEY, DUBHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

#### Bored in Hedley Moor 300 yards South from the West House, near the Well. July 20th, 1747.

Approximate surface level feet above sea (Ordnance datum).

Fa. Ft. In. Fa. Ft. In. Soil and sandy clay 1 3 0	Fs. Ft. In. Fs. Ft. In. Brought forward 11 4 11
Sand, with a siping of water 0 1 6	Sand, with small layers of soft clay
Dry sand 6 0 0	and water 4 4 0
Sand, with much water 0 5 0 Soft sandy clay 0 0 5	Soft leafy clay 3 0 0 In a brown stone 0 0 3
Sand, with water 3 1 0	———————————————————————————————————————
Carried forward 11 4 11	Total 19 3 2

### No. 1,131.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet of Ordnance Map. Lat.

, Long.

#### Strata bored through at Hedley Moor, near the Wagonway.

	Fs.	Ft.	In.	Fs. Ft. In.	{	Fs.	Ft.	In.	Fs.	Ft.	In
Black soil	0	1	6		Brought forward						
Sand	0	3	0		Soft stony clay						
Soft leafy clay and sand					Sand and leafy clay,						
Sand and leafy clay,			_		with water	3	3	0			
with water and					Soft leafy clay, mixed	•	•	•			
small coal	2	0	0		with sand	1	1	0			
Gravelly sand	0	5	0		Stony clay						
Soft sandy clay	0	1	0		Open brown sandy						
Sandy gravel or chan-					post, and set away						
nel	1	0	0		the water	0	1	2			
Soft clay	0	3	0		}				14	3	2
Sand and leafy clay. with water and										_	
small coal	2	3	0								
Carried forward	8	0			Total		<b>.</b>		14	3	2

#### No. 1,132.—HEDLEY MOOR.

#### TOWNSHIP OF HEDLEY, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

### Bored at Hedley Moor, near the Open Cast, now Moor Pit. June 26th, 1747.

Approximate surface level feet above sea (Ordnance datum).

	Ps.	Ft.	In.	Fs. Ft. In.		_	F	. Pt	In.	Fs.	Ft.	In
Black soil and brown					Brought	t forwa	rdi 4	5	6			
sandy clay	0	3	0	,	Leafy clay,	, mix	ed					
Sand, with soft clay					with sand		1	0	. 6			
and a small siping					Sand and wa							
of water	0	5	0		small scare			. 1	4			
Soft leafy clay, mixed	•	•	•		Leafy clay							
with sand	1	Λ	Λ		Slaky sand	and so	f+ `	•	U			
	•	v	v					_	Λ			
Soft slaky clay and	^				clay			. 0	U			
sand, with water					Soft leafy cla	iy, scar	3CL '					
Brown sand	0	4	6		with sand		∴ (	3	0			
Sand and soft slaky					with sand Leafy clay Stony clay		1	0	0			
clay, with water	1	0	0		Stony clay		(	1	8			
clay, with water Leafy clay	Ō	2	6								1	•
<b>yy</b>											_	
Carried forward	$\overline{}$	E	_		,	Total .				10		_
Carried forward	•	Ð	O			TOURT .	••	•••	_	19		

### No. 1,188.—HELME PARK.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

, Long.

Strata bored through within the Boundary of Helme Park Colliery, in the Parish of Wolsingham. No. 1 Hole.

Sand and clay Broken freestone COAL		Fs. 1 3 0	Ft. 5 3 0	In. 0 0 2	Fs.	Ft. 2	In. 2	Brought forward 0 1 3 11 3 0 Grey leafy post 0 3 10 COAL 0 1 3
Blue metal	•••	<b>4</b> 0		10 2	5	0	0	Thill stone 0 3 2 Grey metal stone 0 4 1
Thill stone		0	2 1	2	0	3	3	Post 0 2 1  Blue metal stone 0 1 4  COAL 0 2 10
Ironstone Blue metal stone COAL		0	0 0 3	3 4 0	Ū	J	•	Blue metal stone 0 1 3
Thill stone		_	1		0	3	7	Post 0 1 5 1 0 4
Carried forwa	rd	0	1	3	11	3	0	Total 18 0 8

### No. 1,134.—HELME PARK.

#### TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Strata bored through in No. 2 Hole, at 32 chains from Helme Park Colliery.

Ascent 74 feet.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.	Fs. Ft. ln. Fs. Ft. I
Soil and clay	1	5	0				Brought forward 0 2 2 13 5
Black shivery stone	0	4	0				Grey post stone 0 2 0
Post girdles	3	3	0				Grey metal stone 2 3 4
COAL	Õ	1					Ft. In.
				6	1	4	COAL 1 10
Thill stone	0	1	8	Ŭ	•	-	Band 0 3
	ĭ	ō	ő				COAL 3 2
	ō	3	ŏ				0 5 3
COAL	U	J	U	1	4	8	4 0
(TTL:11 -A		٠,	_		*	o	
Thill stone	_	1	8				
Grey metal stone	0	4	0				Grey post stone 2 5 7
	1	0	8				Grey metal stone 1 1 3
	1						COAL 0 4 3
COAL	0	1	8				5 0
				5	5	4	Thill 03
Thill stone	0	2	2				
Carried forward	0	2	-	13	5	_	Total 23 3 1

### No. 1,135.—HELME PARK.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Strata bored through in No. 3 Hole at Helme Park Colliery.

Soil and clay	Fs. Ft. In. Fs. Ft. In 0 5 0	Fs. Ft. In Brought forward	. Fs.	Ft.	Iñ. 4
Freestone	1 4 0	Grey metal stone 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	) )		
	2 4 4		8	3	0
Carried forwa	2 4 4	Carried forward	11	1	4

### No. 1,135.—HELME PARK.—CONTINUED.

Brought forwar	, Fs	Ft.	In.	Fs. 11			Fs. Ft. In. Fs. Ft. Brought forward 26 2	
	•		_	11	_	*		(
Thill stone	. 0	1	6				Thill 0 0 7	
Post stone	. 1	0	8				Post 0 2 7	
COAL	. 0	1	8				Grey metal 1 0 3	
				1	3	10	Post girdles 0 5 9	
Thill stone	. 0	1	0			•	Post girdles 0 5 9 Grey metal stone 1 3 2	
Grey metal stone	` ~		10				COAL 0 2 84	
n		3	7				OOAL 0 2 04	
	_	2	ó				4 3 (	Ŋ
COAL	. 0	Z	U			_		•
			_	4	4	5		
Thill stone	. 0	1	9				Grey metal 0 5 4	
Grey metal stone	. 1	2	9				Grey post girdles 1 0 2	
Grey post	. 1	1	2				Grey post stone 0 2 0	
Grey metal	. 0	1	9				Grey metal 0 1 4	
COAL	` `	3	3				Blue metal 0 2 8	
				3		8	COAL 0 4 4	
P1. :11	-	9	6	U	-	0		
Thill							4 0 4	ŀ
Grey post	. 0		11				Thill 0 0 8	3
Grey metal	. 1	3	9					
COAL	. 0	1	7					
				4	5	9		
								_
Carried for	WAR	ı		26	2	0	Total 35 0	0 <del>1</del>
Sairied 101		•		-0	-	•		1

### No. 1,186.—HEPSCOTT.

### TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8' 55", Long. 1° 37' 32".

### Account of a Boring from the Low Main Coal in Hepscott Pit.

Sunk to the scaffold	Fs.	Ft.	In. Fs. 16	4		Fa Ft. In Fa Ft. In Brush In Brought forward 17 5 4 37 4 6 Grey metal 0 2 8 COAL, foul 0 0 6
Pipe	7	5	3			
Grey metal stone COAL	0	0		4	6	Grey metal stone Beaumont Seam—  1826
Grey metal stone, with girdles White post	6	0	10			Pt. In. COAL, slaty 1 4 COAL, ra-
	ō					ther foul 1 5 0 2 9
girdles Strong white post	2 8	1 1	6 0			Brown metal 1 5 0 COAL 0 1 5
						COAL 0 1 5 2 0 5
Carried forward	17	5	4 37	4	6	Carried forward 60 1 6

<sup>\*</sup> Approximate sea level (Ordnance datum):

### No. 1,136.—HEPSCOTT.—CONTINUED.

Brought forward		Ft	In.	Fs. 60	Ft.	In.	Brought forward 3 2 4 61 3 6
Grey metal stone	-	1	0				Ft. In.
Black metal	. 0	0	6				COAL 0 6
COAL	0	0	6				Dark metal 0 10
	-	_	_	1	2	0	COAL 1 4
Grey metal	2	2	0				- 0 2 8
White post	0	5	-6				3 5 0
Dark metal	0	0	10				Into grey metal 0 0 8
Carried forward	3	2	4	61	3	6	Total 65 3 2

### SECTION OF ABOVE PIT FROM GEOLOGICAL MAP.

Clay			The Title	TO A	In.	***		44	Fn. 11		In.
To Five-Quarter	Seam,	COAL	0	4	9			See	18	0	0
" Low Main	23	"	1	1	2	***	***	***	27	0	0
" Plessy	33	33	0	2	4		***	***	34	0	0
" Beaumont	35	33	0	2	9	***			60	0	0
" COAL	33	23.	0	2	6	***	***	***	67	0	0

### No. 1,137.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

Bored in Hepscott Pit, by George Stott, from the Bottom of the Low Main Coal. 1858.

To Low Main C		Ft. In.				Brought forward 9 1 4 40 0
	-		25	0	0	
Grey metal		2 9 5 0				White post 0 5 0
White post	0	5 0				Grey metal 1 4 10
Grey metal	2	3 6				White post 4 3 2
Grey post	0	3 6				Grey metal 1 0 0
Grey metal	0	3 1				COAL 0 0 10
orej mener	- 100					<del></del>
COAL	Ft. In. 2 6					Grey metal girdles 1 3 0
	750 500					
COAL, slaty						White post 0 3 0
	0	2 7	-	-	3	Grey metal girdles 1 1 0
	-		9	2	5	Harvey or Beaumont
Grey metal	0	4 6				Seam— Ft. In.
White post	2	4 3				COAL, will
Grey metal	1	5 6				not cinder 1 3
COAL	0	1 10				COAL, rather
	0	***	5	1	7	tender, cin-
Constructed.	2	2 3			*	done well 9 10
Grey metal		3 9			- 3	COAL, foul 0 3
White post	3					
Grey metal	I	0. 0				COAL 1 1
White post	1					- 0 5 5
Grey metal	1	0 0				4 0
Carried for	ward 9	1 4	40	0	6	Total 61 4
						AA

### No. 1,138.-HEPSCOTT.

### TOWNSHIP OF MEPSCOTY, NORTHUMBERLAND.

Short 72 of Ordnance Map. Lat. 55" 9' 19", Long, 1° 38' 25".

Account of Boring in No. 1 Hole, in Hepecott Royalty.

Approximate surface level 130 feet above sea (Ordnance datum).

Elack per	<b>a</b>		Pa.	R	-0	Ps	R	b.	Brough	t for		Pa	Pt.	In,	Ps. 49	PL 1	
Seed .			•	ŏ	ŏ				Metal stone			0	5	3	40	1	9
Sand with	ومرتقيو		3	ŏ	ŏ				Yellow post		•	ĭ	ŏ	ŏ			
Clay, with			•	ŏ	ŏ						•••			_			
			ī	4	ŏ				Strong post		•••	1	2	0			
Sand, wit			i	-	_				Brown post	•••	•••	1	2	0			
Blue leaf			-	0	0						Pt. In.						
Brown at			1	2	0				COAL	•••	0 11						
Sead and	Espire		1	3	0				Metal band	•••	0 3						
Ex chr		•••	5	5	0				COAL	•••	0 10						
Sand	• • •		0	4	0				!			0	2	0			
Post			11	4	0			_	!			_			4	5	3
	•••		15	1	0			•	Grey metal		•••	0	2	0			
Dark met	al		1	4	0				Dark metal			0	0	6			
Black me		•••	ī	Õ	6				Metal, scare	dwit	h coal	0	0	8			
Metal sto		•••	3	ŏ	ŏ				COAL			ŏ	2	9			
Post		•••	ī	2	ŏ							_		_	0	5	11
Black me		•••	ò	3	ŏ				Metal			0	3	0	_	-	
Grev met			ŏ	•	6				White post			ĭ	ő	Ö			
COAL		•	Ö	ŏ	6				COAL	•••	•••	ō	1	3			
COAL	•••		v	U	•		_	_	OOAL	•••	•••	U	T	3	•		_
			_	_	_	<b>3</b> 0	0	6	Madel at			-	_	_	1	4	3
Metal sto		•••	3	0	0				Metal stone	•••	•••	1	2	8			
White po		•••	1	5	0				COAL	•••	•••	0	0	3	_		
Dark met	al		0	0	6							_		-	1	2	11
COAL, 1	oft	•••	0	3	3				Metal stone			0	4	0			
						5	2	9	Post	•••	•••	2	3	ŏ			
Metal			1	3	0				Metal stone			ĩ	ő	ő			
Metal stor	<b>Se</b>	•••	ĩ	Ŏ	6				Post		•••		-	-			
COAL	•••	•••	ō	Ŏ	9					•••	•••	0	3	0			
· · · · ·	•••	•••	<u> </u>		_	2	4	3	White post		•••	1	2	6			
Brown po	et.		1	0	0	~	-	•	Metal stone		•••	0	3	0			
Grev met		•••	î	-	6				Grey meta		scared						
COAL		•••	_	0					with coal	•••		0	0	6			
COAL	•••	•••	0	0	6	_		_	COAL		•••	0	0	3			
			_	_	_	2	1	0				_			6	4	3
Grey met	u	•••	0	1	0				G-aat-	1							_
Post meta	parting	8	1	2	0				Grey meta			•		•			
Dark met	al	•••	0	1	6				with coal		•••	0	2	0			
Girdle	•••		0	1	0				White post		•••	0	5	0			
Metal stor	1e		0	4	6				Grey metal		•••	0	3	0			
White po	it		1	4	0				White post		•••	3	5	6			
Metal sto	1e		0	5	0				Grey meta		scared						
Dark ston			ĭ	ĭ	6				with coal		•••	0	2	0			
COAL			ō	ī	ŏ				Metal stone	•••	•••	0	3	0			
	•••	•••	_	_	_	6	3	6	Dark metal			0	3	0			
Frey met	ı		0	1	0	J	·	U	COAL		•••	0	1	6			
		•••	ŏ	3	ŏ										7	1	0
		•••	-	_	-									-	20	100	17
Post	140	•••	1	3	6				Dark metal		•••	0	4	0			
Post Metal sto					3				Post girdles		•••	0	1	6			
Post Metal stor		•••	0	U	·	_		_			•••						
Post Metal sto		•••	_	_	_	2	1	9			•••	0	3	0			
Post Metal sto	Carried		_		_	2 49	1	9		•••	•••						_

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,138.—HEPSCOTT.—Continued.

Brought forward 1 2 6 72 1 4 Grey post 0 3 0 COAL 0 3 0	Grey metal 2 5 6 COAL 0 0 3
Grey metal 0 4 0 Metal stone 1 0 0 COAL 0 0 6	Grey metal and coal 0 1 0 COAL 0 1 3
Grey metal stone 2 5 3 Black metal 0 0 9 Grey metal 0 0 3 COAL 0 0 6	Grey metal 0 3 0  Metal stone 1 0 0  Black metal 0 1 0  Grey metal 0 3 0
Grey metal 0 3 2 COAL 0 2 5 Grey metal 0 3 0 Grey and white post 3 4 0	Metal 1 1 6 Metal 0 1 6  COAL 2 8 COAL, foul 0 3
Hard white post 0 5 0 White post 1 5 6  Pt. In.  COAL 1 8	— 0 2 11 — 4 0 11
COAL 0 2 7 1 11 7 1 5	
Carried forward 87 4 1	Total <u>95 1 0</u>

### No. 1,139.—HEPSCOTT.

### TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 37", Long. 1° 38' 40".

Account of Boring in No. 2 Hole, in Hepscott Royalty. 1868. Approximate surface level 167 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Dry sand 2 3 0	Brought forward 19 3 0
Wet sand 5 3 0	Ft. In.
Loamy clay 2 0 0	COAL 1 10
Brown stony clay 4 2 0	COAL, soft 1 3
Leafy clay 1 3 0	0 3 1
Freestone tumbler 0 1 0	20 0 1
Brown stony clay 1 2 0	Grey metal 0 3 0
	Metal stone 0 3 0
White post 1 3 6 Grey metal 0 3 6	Soft yellow post 3 0 0
	Metal stone 2 3 6
Carried forward 19 3 0	Carried forward 6 3 6 20 0 1

### No. 1,139.—HEPSCOTT.—CONTINUED.

Brought forward 3 3 6 26 5 1  Metal stone 1 4 6  Dark metal 0 3 0  COAL 0 0 6
Total <u>32 4 7</u>

### No. 1,140.—HEPSCOTT.

#### TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8' 491", Long. 1° 39' 4".

# Sunk and bored in the Hepscott Royalty, near to the Tile Sheds. Approximate surface level 145 feet above sea (Ordnance datum).

Yellow and blue c			t. In 3 0	Fs.	Ft.	In.	Fa. Fa. In. Fa. Fa. In. Brought forward 1 5 1 36 0 1
	-		4 0				White post 0 0 8
Yellow freestone	··· {	ō	2 0	-	_		Blue metal 0 5 0
Blue metal	-		3 0				COAL 0 0 9
COAL			16				2 5 6
		•		28	1	6	Thill stone 0 5 9
Dark metal	_	1	0 0			U	Blue metal 1 1 7
			9 8				Grey post 1 0 0
White post Blue metal			23				Grey metal 1 5 0
			2 3 3 10				White post 0 0 5
Strong white post							l (1
Grey post			38				1 3371 *4
White post							
Blue metal		_	3 7				l •
COAL	•••	0	1 10			• •	COAL 0 10
m	_	_		5	4	10	Soft black stone 0 8
Thill stone			1 6				1
Blue metal			0 10				
Grey post			3 4				0 3 1
Dark metal			26				
White post			2 5				Strong grey post 0 2 9
Blue metal			10				Blue metal 0 1 10
COAL		0	0 2				White post 0 1 0
	-			1	5	9	Blue metal 0 4 11
Thill stone	•••		0 4				Black stone 0 1 6
Black stone		0	27				Splint 0 0 6
Grey post		0	1 10				Blue metal 0 2 6
Blue metal		1	0 4				COAL, with water 0 0 6
							2 3 6
Carried forwa	rd –	1	5 1	36	0	1	Carried forward 55 3 1

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,140.—HEPSCOTT.—CONTINUED.

2			Fs.	Ft.	In.	Fs.			14 114			In.			
Brough	t for	ward				55	3	11	Brought forward	2	3	5	58	3	11
Blue metal	***	***	0	2	6				White post	0	1	4			
Grey post		***	2	0	0				Brown post	0	4	6			
Blue metal		***	0		6				Blue metal	0	2	0			
COAL	***			1	0				Whin	0	1	7			
0.000	122	200	_			3	0	0	White post	0	·I	1			
Thill stone			0	1	0	10	7.5	30	Blue metal	2	4	0			
Grey post			0	4	6				Control of the last	_	-	_	6	5	11
Blue metal			0	3	11										
Thill stone		***	1	0	0										
0-13			-	-	-	-0	0		m-4-1				-	0	20
Carried	torw	vard	2	3	D	58	9	11	Total		***	-	60	3	10

### No. 1,141.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat.

, Long.

Bored in Hepscott Royalty, near the Field House Farm.

Steener blue of				In.	Fs.	Ft.	In.	Dusnahi					Fs.	-	
Strong blue cl			0	U				Brought:		4	2	7	28	4	1
Grey metal, w	ith post			-				White post		0	1	0			
girdles			4	6				Grey metal		0	3	9			
Blue metal		0	3	0				White post		0	4	9			
COAL		. 0	0	10				COAL		0	0	7			
		-	_	_	22	2	4			-	-	_	6	0	8
Blue metal		0	1	6				Thill stone		0	1	8	100	-	-
Black stone		-	2	2				White post		0		8			
Dark metal		- 2	ō	11				Thill stone		0	2 3	8 7			
Splint, with sp		-	1	8				3371.74		2	0	ó			
			-4	10					200		3	6			
		2						Dark post		0					
Grey post			-4	7				Blue metal		0	2	8			
Blue metal			0	6				White post		3	2	6			
Grey post		2	1	10				Blue metal		0	0	8			
COAL		. 0	0	5					Ft. In.						
		-	_	_	5	0	5	COAL	. 2 4						
Thill stone		0	5	11				Soft white bane	1 0 6						
Strong white p		-	0	8				COAL	0 0						
COAL		0	0	9						0	3	4			
CUAL	* **		0	0	1	1	4			0	0	*	0		-
Diamental		1	1	7		+	*	Thill stone		~	0	-	8	4	1
Blue metal		- 0	-					732 4 7		0	0	5			
White post	. 10		1	10				Blue metal		0	1	2			
Whin			0	6				Into white pos	t	0	1	6			
Dark post		. 2	4	8				1		-		-	0	3	1
Carried fo	orward	4	2	7	28	4	1	Т	otal				44	0	5

### No. 1,142.-HEPSCOTT.

#### TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. 55° 9′ 58", Long. 1° 38′ 22".

Account of Strata bored through at Shadfen, in Hepscott Royalty.

Approximate surface level 130 feet above sea (Ordnance datum).

Fa Pt. In. Fa Pt. I		Pa.	Pt. In
Stony clay 4 1 6 Stony clay 2 5 0	Brought forward	15	0
Paralle 1 4 C	Hard girdle	0	3
***************************************	Light blue metal	0	
Brown post 2 0 7	Black metal	0	0. 5
Blue metal 0 5 11	COAL	0	1 4
COAL 0 0 4		-	
Metal stone 0 5 0	Grev metal stone, with		1
Post girdle 0 0 6	post	1	1 11
Blue metal 1 0 5	Blue metal and metal		
Post girdle 0 0 10	stone	0	5 :
Metal stone 0 2 9	Grey post	0	2 10
Grey post 0 1 0	COAL	0	0
Blue metal 1 2 0	Communical stores	0	1
A fall of 0 2 0	Comment	1	5
Grey metal 0 1 6	COAL	ô	1
Light blue metal 2 2 6	COAL		
Grey post, with metal	The state of the s		-
partings 0 5 4	Grey metal	0	3 :
COAL 0 0 5	Grey metal stone	0	3
Grey metal 0 1 4	Blue metal and metal		
Dark grey post and (1 2 7	stone, with post		-
metal stone (1 0 10	girdles	4	0
COM 0 1 1	COAL	0	0 1
		_	
22 5 1	Grey metal	0	3
Blue and grey metal	Grey post	2	0
stone, with post 1 3 6	Iron girdle	0	1 (
Blue metal 0 3 1	Grey post	1	5
Grey post, with metal	COAL	0	0
partings 1 2 4	Blue metal	0	4 .
Blue metal 1 2 5	Metal, scared with coal	0	0
Dark metal 0 2 0	Blue metal	1	1
Grey metal stone 0 5 5	COAL	ō	1 1
Grey post 0 5 6		_	
Light metal 0 2 9	Grey metal and metal		
Grey post 6 2 0	and a second	0	4 :
Blue metal 0 1 11	The state of the s	0	3
COAL 0 0 4	Into grey post	0	0
Blue metal and metal		-	
1 1 0	1/		
stone 1 1 0			
Carried forward 15 2 3 22 5	Total		***
			4.7

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,143.—HERDLEY.

TOWNSHIP OF

Sheet of Ordnance Map. Lat.

, Long.

Boring at Herdley Bank, by the Burnside, near the Railway Culvert. October 16th, 1849.

Approximate surface level feet above sea (Ordnance datum).

_	_	_	_	_	_	_		_	-	-	_	_	_
Soil			In.	Fs.	Ft.	In.	Brought forward				Fs. 18	Ft.	In'
Brown stony clay							Grey post			0		-	-
							Grey post	1	*				
Brown and grey post							Grey metal	0	2	0			
COAL	0	0	6				Grey post						
	-	_	_	16	3	0	Strong white post	0	5	6			
Grev metal stone, with				-			Grey post						
		0	11				Black metal, scared			10			
post girdles								-	-	-			
Black stone							with coal						
Hard girdle	0	0	3				COAL	0	0	4			
COAL, with a hard								_	_	_	10	4	11
band an inch thick							Grey metal	0	0		77	-	
										*			
at 5 inches from the	2						White post, mixed with	-					
top	- 0	1	1				whin in places	6	2	3			
	_	_	-	1	5	1	Soft parting	0	0	2			
Grey metal, with gir-							Strong grey stone	0	3	0			
dles	7	7	9				In strong post, mixed		-	-			
	-								4	0			
Grey post	U	9	0				with whin	1	4	U		-	
Grey metal stone, with								_	_	-	8	3	9
post girdles	1	0	0										
Transfer and	_			_		_					_		_
Carried forward	3	0	0	18	0	1	Total				97	1	0
Carried forward	9	0	0	TO	2	1	Total		***		01	4	10

N.B.—This hole was lost with a broken wimble, which is fast with sand at the bottom.

### No. 1,144.—HETT.

TOWNSHIP OF HETT, DURHAM.

Sheet 35 of Ordnance Map. Lat.

, Long.

Account of Boring No. 1 Hole, in Hett Royalty. February 5th, 1857.

Strong clay 9 4		Brought forward			- 1	s. Ft.	
Soft brown post 0 2	0		1				
COAL, mixed with			0				
metal and clay 0 2	- 10 2 3	Grey metal	2	Đ	6		
Carried forward	10 2 3	Carried forward	5	1	9 1	0 2	3

### No. 1,144.—HEYT.—Cosmound.

	RREAR
Brogit ferred 5 1 9 10 2 3	Brought forward 67 5
Gerrand 0 3 6	Berry metal 0 1 0
COAL-Los Mais., 0 1 10	Grey metal, with inva-
611	stane girdles 3 0 0
Gosy metal 0 0 5	Grey and white post 0 1 4
Gory and white post,	White 0 0 7
set away the water 4 1 0	Strong white post,
Goey metal, with gir-	with white girdles 0 2 8
total mentil and the	COM CO
des 2 2 9	COAL, 5-0 _ 0 0 5
COAL-Hadiss (np-	- 40
perperina) _ 0 0 4	Grey metal stone, with
Greg put 2 2 0	pot girlles _ 1 0 4
	COAL _ 0 0 9
Dark metal, mixed	- 11
with roof 0 2 6	Grey metal stone _ 5 0 0
Govy metal, with inco-	Dark metal 0 1 10
2 4 4	P. In
COM Nation - 3 2 9	
COAL — Helius	
(lower portion) _ 0 1 11	Brovn metal,
16 5 10	mixed with
Grey metal 0 4 0	red _ 0 3
White post 2 1 0	COAL _ 0 9
Grey metal 1 2 0	White post _ 1 4
Strong white post,	COAL _ 1 8
with whin girdlex _ 2 1 3	-101
Grey metal stone 1 5 6	6
White pest, mixed with	Brown metal 0 0 5
white and water 4 0 0	Grey post 0 0 8
Grey metal, with gir-	Grey metal 0 4 0
des 306	White post 2 1 0
Grey metal 4 0 6	White post 0 5 0
Dun white 0 1 0	White post, mixed
Sizong metal stone,	with whin 4 5 0
inclining to post 3 5 6	Grey metal 0 2 0
White post, mixed	70.7
to the point, makes	CO.11
with whin 0 2 6	COAL 0 1 10
Grey metal 1 0 0	- 9
Post, mixed with whin 0 2 3	Grey metal 0 1 0
Grey metal 0 4 0	Grey metal stone gir-
0.5-13 0.05	
Hard girdle 0 0 7	White post 0 4 8
COAL-HarreySeam 0 1 8	Grey metal 0 1 2
28 1 8	COAL, foul 0 0 4
Grey metal 0 1 0	4
2004 700012 000 000 2 2 2	
The state of the s	Grey metal 0 0 8
Strong white post 0 0 9	White post, mixed
Grey metal 0 1 6	with whin 5 4 3
COAL 004	Ft. In.
1 5 10	
Control of the contro	Grey metal 1 1
Grey metal stone 1 1 0	COAL, inferior 0 4
Whin 0 3 6	COAL, good 1 10
Post, mixed with whin 0 1 0	Brown metal 0 04
Grey metal stone 0 4 9	
	COAL, good. 1 10
Dark metal, scared	- 0 5 5
with coal 0 5 9	- 6
COAL, foul - Busty 0 1 6	Into strong post 0
4 0 6	
Carried forward 67 5 2	Total 100
Carried forward 67 5 2	200



### No. 1,145.—HETT.

#### TOWNSHIP OF HETT, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 29", Long. 1° 32' 50".

Strata bored through 200 yards due South of Hett Old Paper Mill. Commenced July 25th, 1865, and finishet November 10th, 1865.

	Fs.	Ft.	In.	Fa.	Ft.	In.		**	774		77.	***	
Soil		0					Brought forward	8	2	O.	34	Ft. 3 1	13
Yellow clay							Hutton Seam (lower		-	0	O.E.	0.1	100
Soily clay	0	4	6				portion)— Ft. In.						
Loamy clay	1	1	3				COAL, good. 1 0						
Sandy clay	0	0	5										
COAL, danty	0	0	3				COAL, brassy 0 2						
The state of the s				0	0	-	COAL, splinty,						
				2	9	5	full of brass 0 9		4	44			
Stony clay	1	4	10					0	1	11			
Grey post, with metal								_	_	_	8	3	11
partings	6	4	1				Otenna Mark stone						
Very soft grey metal		0					Strong black stone,		n	70			
COAL, soft danty							mixed with coal			10			
(water went away)	0	0	8				Soft black metal						
Cunter ment many		-	-	-	-	-	Dark grey metal	0	0	4			
	-	_	-	8	4	3	Light grey metal, with		-	-			
Grey post	1	0	10				post girdles						
Soft dark metal	0	2					Soft dark blue metal	0					
Grey post							Soft grey metal,	0	4	2	-		
Soft grey metal	ô	1	7				with scares of post	1	5	1			-
Hard white post, with							Strong white post,	15	10				
	0	4	6				with much water	4	5	3			
water	0						Grey post						
Soft grey metal	0	1	1				Soft dark grey metal	o	ĩ.	4			
Hard white post, with								0	1	-28			
metal partings and		12					Dark grey metal, with	0	^				
water	11	2	0				coal	0					
COAL-Low Main							Soft grey metal thill	0	3	9			
Seam	0	2	2				Hard white post, with						
	_		_	15	3	6	metal partings	Z	5	9			
				10	0	v	Dark blue metal, with						
Black slaty metal,							ironstone girdles and						
with scares of coal	0	0	3				water	4	0	2			
Soft dark grey thill	0	1	2				Hard white post, with						
Soft grey metal, with							whin girdles and						
ironstone balls	6	5	6				water	2	4	8			
Strong grev post	0	2	10				White and grev post						
Dark grey metal	0	0	10				with water	4	1	11			
COAL	0	0	2				Dark metal	0					
		-	-	-		~1	COAL, hard at top			-			
	-	_		- 7	4	95	and coarse - Harvey						
Strong grey metal,							Seam	0	2	0			
with ironstone gir-							Deam				95	3	9
dles	3	1	2				a				20	0	
Black metal, with		-	-				Grey metal thill	T	3	1			
scares of coal	0	4	3				Blue metal and iron-	-	-				
	0.	72	0				stone girdles	2	2	10			
Strong grey metal,		9	17				COAL	0	0	3		- 12	
with threads of post	4	-						-		-	4	0	2
	-	-	-	_	-	-					-		-
Carried forward	0	0	0	QA.	0 1	171	Carried for	2002 75	A		70	5	21

### No. 1,145.—HETT.—CONTINUED.

Brought forward	Fa. Ft.	In Pa Pt In. 72 5 34	Brought forward 16 1 11
Dark metal	9 3 1 2	7 6	Busty Seam— Ft. In.  COAL,good 0 5½  Black shale, with scares of coal 0 1½  COAL,good 0 3½  Grey metal shale 0 2½
Grey metal, with thin ironstone girdles			COAL, with danty partings 0 4 COAL,good 0 6 Brown band 0 0½ COAL,good 0 2½ COAL, rather danty 0 2
Carried forward	16 1	11 72 5 3 1	Total

### No. 1,146.-HETTON-LE-HOLE.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

, Long. Sheet 21 of Ordnance Map. Lat.

Boring Account at Hetton-le-Hole, in the Second Field East from the To Commenced September 1st, 1772; finished July 7th, 1773.

The same of the sa	Fs.	Ft.	In. Fs. Ft.	In. Fs. Ft. In
From the soil to the				Brought forward 24 0 6
top of the sand sunk				Grey and brown scamy
formerly	3	3	6	post 0 3 0
Sand, with water	7	0	0	Grey and blue metal,
Gravel, with large		-	-	with post girdles 3 1 6
whin tumblers		0	0	Blue metal 1 1 0
				Black metal, mixed
Brown leafy clay, mixed with sand		9	0	
				with coal 0 1 0
Blue scamy clay		1	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Strong stony clay		4		Grey metal 0 1 6
Brown and grey post	0	2	4	Grey post, with metal
Clay, mixed with marl	0	1	0	partings and water 1 1 6
Brown, grey, and blue				Whin 0 2 0
marl	1	2	8	Grey metal, with
Brown and grey post	0	1	0	strong post girdles 1 3 0
Grey, brown, and red		-	100	Blue metal 0 4 6
scamy stone, with				COAL 0 1 2
soft partings and				
whin girdles with	-	-		
water	1	9	6	
Carried forward	24	0	6	Carried forward

### No. 1,146.—HETTON-LE-HOLE.—CONTINUED.

Brought forward Grey metal, mixed with coal pipes Black metal COAL Grey thill Grey post, with metal	0 0 0	3 0 1	6	33	2	8	Brought forward Grey thill Grey metal	0	2 4	3 5	46	1	4
with coal pipes Black metal COAL Grey thill	0	0	6										
Black metal COAL Grey thill	0	0	6										
Grey thill	0						Black metal	0	1	8			
Grey thill	-	-	-				Grey and black metal	Ö	i	4			
	0			0	5	2	Grey metal stone	0	9	0			
	-	0	9			-	Grey and white post	2	2	0			
Treev Dost, with metal		~	-				Strong white post		ô.	0			
partings and water	2	0	5				Whin	-	1	6			
White and grey post	0		0				Strong white post,		*				
Black stone	0	0	4				mixed with whin						
COAL, foul		0					The second secon	3	0	B			
Tomas in	_	_	_	9	5	2	COAL		0				
Grey metal, with a				-		-			-	-	8	3	5
mixture of black							Grey thill	0	1	3			
stone	0	1	0				Grey metal stone	0		6			
Grey metal stone	-	4					Strong white post,		~	-			
Grey and white post,	-	-	-				mixed with whin	0	3	6			
with metal partings	4	0	0				Grey post, with metal	-					
Strong white post,	-	-	-				partings	0	4	6			
mixed with whin	0	2	0				Black stone, mixed		-				
Open gullets, with		~					with coal	0	0	7			
water	0	0	3				Grey and white post,	4	4				
White thready post	0	3					with metal partings						
White and grey metal,		-	-				and water	2	2	0			
with water	2	4	0					_	_	_	4	5	4
Ft. In.	-	-	-				Grey and blue metal,				*		-
COAL 0 4							with whin girdles	2	1	0			
Grey and black							Grey post		î				
stone 0 9							Whin						
COAL, foul 0 9							White post						
COAL 1 6								õ					
	0	3	4					-	100	_	6	2	4
	_	*	-	9	0	4					-		
Carried for	ward	1		46	1	4	Total				66	0	5

### No. 1,147.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Bored in Hetton Estate. No. 1 Hole, South-east of the Village. April 22nd, 1793.

Sunk : Fs. Ft. In. Fs. Ft. In.	Brought forward 1 0 8	In.
Soil 0 2 0 Dry gravel 0 4 8	Blue clay 0 1 0 Limestone 11 3 6 	0
The state of the s		
Carried forward 1 0 8	Carried forward 12 5	

### No. 1,147,-HETTON,-CONTINUED.

-		-,					OLIV COMPANDA			
Brought forward	Pa.	n.	In.	Ра 12	n i	2	Proposite formand			In.
Bored :-				12	•	L	Brought forward Dark grey metal, with	U	3	114
Limestone, with open							water	0	1	3
parting and water	2	1	6				Dark grey metal, with	٠	•	•
Limestone, with part-	_	_	-				coal piper	0	0	10
ings and open gul-							Strong grey metal,	-	•	
lets	5	1	5				with girdles	0	5	1
Strong limestone, with							Strong grey metal and			
girdles	3	0	10				girdles	0	1	3
Blue metal, with part-							Strong white post and	_	_	
ings and much	^						wbin	0	2	31
water	0	4	6				Whin	0	0	11}
Marl, with sand in	0	2	4				Strong white post,	•		Δ1
open gullets	Ö	ī	8				with whin	0	2	0 <del>]</del>
Limestone Grey metal	ŏ	4	9				i	_		
Red sandstone	ŏ	2	ĭ							
Red sandstone, mixed	Ĭ	_	_				1			
with grey scares	1	2	10							
Grey metal, with hard							May 4th, 1796, bored			
lamps	2	0	9				further:			
Black metal	U	1	9				1 -			
Blue metal	1	3	6				Strong white post and		^	_
Whin	Û	1	0				whin	2	0	9
Blue metal	0	2	1				Strong white post	1	3	3
Grey metal, with hard	•		•				Strong white post, with whin and water	1	4	6
girdles or lumps	0	1	6				COAL, foul	ō	ō	8
Grey metal	1	3	1 4					٠	v	0
Black metal	0	ì	3				1	_		
COAL, coarse		_		21	1	2	Soft grey metal	0	2	0
Grey metal, with hard				~_	•	~	White post, with water	0	3	6
girdles and water	2	5	5				Grey metal stone	0	3	4
Pt. In		_	_				COAL, with sulphur			
COAL 1 3							and water	G	0	9
Grey metal 0 4	ŀ									_
COAL, with							Grav metal	0	0	7
scares 0 6							Grey metel Strong white post,	v	٠	•
COAL 1 10			_				with whin, and wa-			
	0	4	0	_	_	_	ter near bottom	1	5	0
	_			3	3	5	Grey metal stone	0	3	6
Grey metal, with hard	•		0				Soft black and blue			
lumps	3	3	U				metal, with girdles			
Grey and white post,							and catheads	1	4	6
with whin and me-	0	4	8				orej meetas	0	0	6
tal partings Strong white post and	·	-	_				Grey thready post and			
whin	2	0	10				water	1	1	8
Whin	Ō	1	2				Whin	0	0	0
White post	1	3	4				Grey and white post Whin	ō	Ö	6
Whin	0	0	4				Grey and white post,	v	٠	U
Dark grey metal and			_				with small partings			
much water	0	0	2				near top and water	1	5	6
COAL	0	2	9	_	,	•	Whin	ō		4
	_	_	10	8	4	3	Strong white post	4	2	ō
Grey metal	0		10				COAL	0	0	3
White post	0	0	6	l						
Grey metal	0	1	4	!						_
Grey metal, with hard	0	1	3							
lumps										
Carried forward	0	3	114	46	2	0	Carried for	var	ì	
	-		•							

### No. 1,147.—HETTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In. 9	Carried forward					Ft.	
Strong white post, with water	3	0	9				Grey post, inclining to metal stone, with						
Strong thready grey	1	9	0				small feeder of water	ō	3	7			
Grey metal stone and	1	3	0				Bluish grey metal, in-	U	0				
hard girdles	1	5	9			- 7	clining to post near						
COAL		0	3				the bottom	3	0	7			
Grey metal	0	1					Metal stone, with	-	(3)				
	_		-	6	5	0	strong greyish post						
Ft. In.							girdles	1	2	3			
COAL 1 1							40.00						
Black grey me-							Main Coal Seam-						
tal and coal 0 6							Ft. In.						
COAL, splinty,							Brass band. 0 2						
with small danty bands 3 1							COAL 4 7						
Black grey metal 0 4										4			
COAL 0 6								1	0	1			
Black stone, with							Annual Control of the	-		-	13	1	8
coal 0 2							Hard grey post and						
COAL 0 3							whin	0		5			
_	0	5	11		-		Whitish grey post	1	0	0			
4	-	-	_	0	5	11	Strong grey metal	-					
Blue grey metal	0	1	0				stone	2	2	6			
Grey metal stone, with	-		0				Black metal	0	1	0			
Black grow motal with	5	4	0				Grey metal, with gir-	0		6			
Black grey metal, with scares of coal	0	0	7				dles	0	5	"			
COAL, coarse foul,							Grey post, inclining to metal stone	1	2	6			
and sulphur	0	1	0				Strong grey and white	*	-				
	_	_	_	6	0	7	post	2	3	0			
Black metal and coal	0	0	7				Grey metal stone	1	0	0			
Grey metal stone			0				COAL, with a little	T.	-				
Strong dunnish post	0	0	6	à			sulphur	0	1	3			
/St 7 T 743		=		0	4	1		_	_	_	9	4	2
(Stopped June 7th,				84	1	4	Grey metal and small						
1747.)				OT		- 1	scares of coal	0	0	7			
January 7th, 1810,							Grey metal stone	0	4	5			
bored further :-							COAL, rather foul	0	0	4			
Strong dunnish post	0	3	8					_		_	0	5	4
Grey metal stone, with							Grav matel	0	1	63		1	
strong post girdles							Grey metal	U	1	0			
on top	4	0	0				ironstone girdles	0	3	6			
on top Grey metal	0	0	5				Tronscone Briance III		_	-	0		ó
OOAL, with surplin											0	5	0
near the top—Five-	-		-										
Quarter Seam	0	1	6		-	-							
Davis course motal with				4	5	7							
Dark grey metal, with scares of coal	0	1	1									-	
Grey metal, with gir-	0	*	-				100000				-	_	-
dles	1	2	1				Total		***	1	113	5	1
Hard whin girdles	0	12	1							-			
Grey metal girdles	5	3	4				The role measured						
			_	-		_	The rods measured,				110		10
Carried forward	7		2	-	-	100	Nov. 5th, 1810				113		

#### No. 1,148.—HETTON.

#### TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

No. 2 Hole bored in the Hetton Estate, in a Plantation in Mr. James' Grounds. November 8th, 1810.

Approximate surface level feet above sea (Ordnance datum).

200	Fs.	Ft.	In.	Fs. Ft. In.				In. 1	Ps. P	In.
Soil	0	1	6	Day San Charles	Brought forward	10	0	6		
Brown clay	0	5	0		Sandy gravel	0	3	0		
Blue stony clay					Sand					
Blue swelling clay,					Blue sandy clay and					
mixed with sand		0	0		sand, with a small					
Sandy clay					mixture of clay		1	0		
Sand, with water	3	0	0	7	Stony clay	1	3	0		
Blue stony clay	1	0	0			-	_	_ 1	17	3 (
0	-	2	-		man			-	-	
Carried forward	10	0	6		Total		***	3	17	3 (

### No. 1,149.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

No. 3 Hole bored in Hetton Estate, about 5 yards South from the second place.

December 20th, 1810.

Soil Brown clay Blue stony clay Blue swelling clay, mixed Sandy clay	with	sand	  	 0 0 2 1 1	1 5 1 0 5	60000	Fs.	Ft.	In.
In sand, with water  Total	***		***	 2	5	6	9	0	0

#### No. 1,150 .- HETTON.

#### TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

No. 4 Hole bored in Hetton Estate, about 54 yards West from No. 2 Hole.

December 27th, 1810.

Approximate surface level feet above sea (Ordnance datum).

Soil Brown stony clay Sand and gravel, with water Blue stony clay Gravel and sand, with	0 0	3 3	6 0 0	Fs. Ft. In.	Brought forward 2 Stony clay 1 Sandy clay 1 Sand, with water 4 Stony clay 1	1 4 1 3 3	0 0 6			In.
water with	0	4	0					11		0
Carried forward	2	1	6		Total			11	1	0

### No. 1,151.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet of Ordnance Map. Lat.

, Long.

No. 5 Hole bored in the Hetton Estate, about 20 yards East from No. 2 Hole. January 16th, 1811.

Soil			n.	Fs. Ft. In.	Fs. Ft. In. Fs. Ft. I Brought forward 13 4 6	ľn.
Stony clay	2	2			Leafy clay, mixed	
Leafy clay, with scares	-	-	-		with sand 1 1 0	
of sand	0	4	0		Blue stony clay 4 5 9	
Sand, with a small	-				——————————————————————————————————————	2
- C. A	1	3	6		DI	0
A CONTRACTOR OF THE PARTY OF TH	4	-	0		THE 1 . 1	
	*	1	6		0041	
Stony clay	0				T-10-17 111 111 7 7 7 7	-
ravel	0		0			8
Blue leafy clay	20	-	6		Grey metal 0 4 4	
Blue stony clay	0	-	0		Dark grey metal with	
Blue leafy clay	0	3	0		hard girdles or cat-	
Blue stony clay	0	3	0		heads 0 4 4	
Blue leafy clay	0	3	0		Black 0 2 0	
Blue stony clay	0	2	0		Grey metal 1 0 8	
Gravel	0	4	0		COAL 0 0 4	
					2 5	8
Carried forward	13		-		Carried forward 24 2	-

### No. 1,151.—HETTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs. 24		In. 7	Brought forward	3	4	1	Pa. 28	Ft.	In 11
Grey metal and metal		_	_				COAL	0	0	8			
stone, with girdles							Dark grey metal,						
COAL	0	1	4				mixed with coal	0	0	4			
Grey metal, scared							White post and set						
with coal	0	0	7				away the water at						
				4	2	4	83 fathoms 1 yard						
Grey scared post	1	2	9	-	_	-	at a gullet	1	2	0			
Stony white post	9	ī	Ă					_			5	1	1
comy white post	_	•									•	-	
Carried forward	3	4	1	28	4	11	Total				34	0	<u> </u>

### No. 1,152.—HETTON.

#### TOWNSHIP OF RETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map	. Lat.	, Long.

## No. 6 Hole bored in the Hetton Estate, about 44 yards South of No. 5 Hole. April 15th, 1811.

Approxin	nate	surface	level	feet	above	sea (O	rdn	anc	e d	atu	m).	
Soil				•••			Fa.	Ft.	In.	Fs.	Pt.	In.
Stony clay				•••		•••		_	ŏ			
Sand and wa	ster	•••	•••	•••	•••	•••		_				
Gravel	•••	•••	•••	•••	•••	•••	0	3	6	^	_	_
									_	9	5	6
		Total	•••	•••				•••		9	5	_6

### No. 1,153.—HETTON.

#### TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

#### No. 7 Hole bored in the Hetton Estate, about 5 yards South from No. 3 Hole. April 19th, 1811.

Approximate surface level	feet above sea	(Ordnance datum).
---------------------------	----------------	-------------------

Soil	Brought forward 4 0 6 Sand, with water 5 1 0 Stony clay 0 1 6 Gravel, with water 1 0 0
Carried forward 4 0 6	Carried forward 10 3 0

#### No. 1,153.—HETTON.—CONTINUED.

0	3 0 3 0 3 0 3	0 9 6 9				Brought forward Grey scamy post Strong white post, with water	-	3 4	Ĭ	31	4	8
0 0 0 0 1 3	0 3 0 3 0	9 6 9 0				Strong white post, with water	-	_	Ĭ			
0 0 0 0 1 3	0 3 0 3 0	9 6 9 0				with water	0	4	7			
0 0 0 1 3	3 0 3 0	9					0	4	7			
0 0 1 3	3 0	9							-			
0 1 3	3	0				Dark grey and grey						
3 0	0					metal stone, with						
3 0	0					water in two places	7	0	0			
0						Strong white post	0	4	0			
0	3	0				Grey metal stone		1	3			
		0				White post		3	0			
		_	18	5	0	Black metal	0	2	0			
_	4	0				Blue, grey, and white						
0	0	3				post, with beds of						
	2					metal stone and						
_		_	1	0	8	water	4	1	9			
0	4	0	_	-	_		3		2			
•	-	•							_	20	0	9
						COAL	0	0	6		•	•
5	ĸ	7				Grey metal			4			
ĭ	Ā	ó				000	-	ĭ	3			
-	-	v										
						00.44	ň					
							v	-	·			
^	1	11					Λ	Λ	Q			
U		11	۰	9	c	0041						
<u> </u>	•	_	0	ð	O							
T	3	U				l *						
							Ň					
							U	U	3			
							_	_	_			
_	_					Three-Quarter Seam	U	3	U			_
									<del></del>	Ţ	1	7
0	0	8	_	_	_					_	_	
		_	8	1	6	mixture of coal				0	0	10
			_	_	_	1						$\overline{}$
	0 1	0 1 1 3		0 1 11 1 3 0 8	0 1 11 1 3 0 8 8 1 3 10 0 0 8	0 1 11 1 3 0 8 3 6 1 3 10 0 0 8	Grey metal   COAL   Dark grey metal   Dark grey metal   COAL   Grey metal   COAL   COAL   Dark grey metal   COAL   COAL   COAL   COAL , rather foul	Grey metal 0 COAL 0 Dark grey metal, mixed with coal 0 COAL 0 Grey metal 0 COAL 0 Dark grey metal 0 COAL 0 Dark grey metal 0 COAL 0 Three-Quarter Seam 0 In black metal, with a	Grey metal 0 0 COAL 0 1 Dark grey metal, mixed with coal 0 0 COAL 0 0 COAL 0 0 Grey metal 0 0 COAL 0 0 Dark grey metal 0 0 COAL 0 0 0	Grey metal 0 0 3 COAL 0 1 3 Dark grey metal, mixed with coal 0 0 3 GOAL 0 0 3 GOAL 0 0 3 GOAL 0 0 3 GOAL 0 0 1 COAL 0 0 2 Dark grey metal 0 0 0 1 COAL 0 0 2 Dark grey metal 0 0 3 GOAL, rather foul—  Three-Quarter Seam 0 3 0  In black metal, with a	Grey metal 0 0 3 COAL 0 0 3 SCOAL 0 0 3 COAL 0 0 3 SCOAL 0 0 3 SCOAL 0 0 3 SCOAL 0 0 3 SCOAL 0 0 1 SCOAL 0 0 2 Dark grey metal 0 0 2 Dark grey metal 0 0 3 SCOAL, rather foul—  Three-Quarter Seam 0 3 0 In black metal, with a	Grey metal 0 0 3 COAL 0 1 3 Dark grey metal, 0 0 3 COAL 0 0 3 COAL 0 0 3 Grey metal 0 0 3 Grey metal 0 0 3 Grey metal 0 0 1 COAL 0 0 2 Dark grey metal 0 0 2 Dark grey metal 0 0 3 COAL, rather foul— Three-Quarter Seam 0 3 0 In black metal, with a

### No. 1,154.—HETTON.

#### TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 49′ 0″, Long. 1° 26′ 25″.

Strata sunk through at Hetton Colliery, in the Engine or Blossom Pit. Begun December 6th, 1820.

Outset Soil Sand Gravel			1 0 1	2	0	Fs. Ft. In.	Brought forward 3 3 0 Limestone marl and soft limestone to where the pit is walled 3 0 0
Carr	ied forw	ard	3	3	_ 0		Carried forward 6 3 0
							CC

### No. 1,154.—HETTON.—CONTINUED.

Yellow limestone of various descriptions 15			3		FE.	Ft.		•	Brought forward			In. 10		
Drift to Minor Pit.			_	_					Three-Quarter Seam-	^		4		
Sill stone		15	Đ	ช						U	Z	5		
the "blue rag" in these flags near the bottom									Drift to Minor Pit.					,
these flags near the bottom									~***	_	_	_	8	(
bottom	the "blue rag" in													
N.B.—The water increased regular from the depth of about 16 fathoms to the bottom of the limestone to about 2,000 gallons per minute.) like metal	these flags near the									_				
creased regular from the depth of about 16 fathoms to the bottom of the limestone to about 2,000 gallons per minute.) Intermetal 0 5 2		7	2	2						1	2	5		
the depth of about 16 fathoms to the bottom of the limestone to about 2,000 gallons per minute.)  Silue metal	N.B.—The water in-								Strong white post, and	١				
the depth of about 16 fathoms to the bottom of the limestone to about 2,000 gallons per minute.)  Grey soft sandstone (stratified) and was drawn by the pumps of the grey metal stone, and where the first three wedging cribs were laid of the stone, and where the first three wedging cribs water 5 2 3 cry soft, with a little water 5 2 3 cry metal stone water 5 2 3 cry metal stone water 5 2 3 cry metal stone 1 3 0 cry metal stone 1 3 0 cry metal stone 1 3 0 cry metal stone 1 5 10 cry metal 1 5 10 cry metal stone 1 5 10 cry metal 1 5 10 cry metal 1 5 10 cry metal stone 1 5 10 cry metal 1 5 10 cry metal 1 5 10 cry metal	creased regular from								water in several	1				
bottom of the limestone to about 2,000 gallons per minute.) Iden metal 0 5 2 Very soft sandstone (stratified) and was drawn by the pumps of the first three wedging cribs were laid 0 0 9 strong brown limestone, like whin 1 2 8 slue grey metal, very soft, with a little water 5 2 3 strong brown limestone, like whin 1 3 0 COAL, mixed with black metal 0 1 4 slue metal 0 1 2 grey metal stone 0 0 1 4 slue metal 0 1 2 grey metal stone 0 1 4 slue metal 0 1 9 soft black and blue metal 0 1									places, which is	(0	0	4		
bottom of the limestone to about 2,000 gallons per minute.) Grey soft sandstone (stratified) and was drawn by the pumps (ery soft white post three wedging cribs were laid 0 0 9 strong brown limestone, like whin 1 2 8 slue grey metal, very soft, with a little water 5 2 3 stong brown limestone, like whin 1 2 8 slue grey metal, very soft, with a little water 5 2 3 stone water shadow ith black metal 1 3 0 slue grey metal stone 1 3 0 slue metal 1 1 0 slue grey metal stone 1 3 0 slue metal 1 0 slue grey metal stone with partings and water 2 5 10 srey metal stone with partings and water with black metal 0 7 slue sill stone 1 1 9 slue metal 0 4 slue sill stone 1 1 9 slue metal 0 7 slue sill stone 1 1 9 slue metal 0 7 slue sill stone 1 1 9 slue metal 0 1 4 slue sill stone 1 1 9 slue metal 0 1 4 slue sill stone 1 1 9 slue metal 0 7 slue sill stone 1 1 9 slue sill stone 1 1 1 9 slue									wedged off and	हें	2	11		_
stone to about 2,000 gallons per minute.) Glue metal	bottom of the lime-								piped into the 3.4		_			
Grey metal stone   0   2   8   1   6   6   6   6   6   6   6   6   6										)				
										0	2	8		
Sill stone		n	5	2						-	_	_		
Sill stone		•	•	-					11. 1	n	1	6		
drawn by the pumps   O   4   4     Very soft white post   O   1   2     Very scamy metal     Stone, and where the first three wedging cribs were laid   O   O   9     Strong brown limestone, like whin   D   Drift through to the Minor Pit.     COAL         O   O   1     COAL           O   O   1     COAL                 COAL                 COAL                 COAL                 COAL                 COAL                 COAL                 COAL                 COAL                 COAL                 COAL                 COAL                   COAL                   COAL                     COAL                     COAL                       COAL                         COAL                           COAL                               COAL                                       COAL									Diack metal				a	1
White post		Λ	4	4					Sill stone	_	_		•	•
Grey metal stone, and where the first three wedging cribs were laid 0 0 9 strong brown limestone, like whin 1 2 8 sille grey metal, very soft, with a little water 5 2 3 sille grey metal, very soft, with a little water 5 2 3 sille grey metal, and the last wedging crib laid on the grey metal below it 0 1 4 sille metal 1 3 0 sille metal 1 5 10 sille stone 0 0 3 sille metal 1 5 10 sille metal 0 1 4 sille metal 1 5 10 sille stone 0 0 3 sille stone 0 0 1 3 sille stone 0 0 1 3 sille stone 0 1 3 sille stone 0 0 1 3 sille st									3373.*4 A		_			
stone, and where the first three wedging cribs were laid 0 0 9 9 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 1		U	1	Z						_				
first three wedging cribs were laid 0 0 9 8 8 8 9 9 8 8 9 9 8 8 9 9 9 8 8 9 9 9 9 8 8 9										_				
cribs were laid 0 0 9 Strong brown limestone, like whin 1 2 8 Blue grey metal, very soft, with a little water 5 2 3 COAL, mixed with black metal and the last wedging crib laid on the grey metal below it 0 1 4 Grey metal stone 0 4 8 Blue metal 1 3 0 COAL, mixed with black metal 0 1 9 Grey metal stone, with partings and water 2 5 10  COAL, mixed with partings and water 2 5 10  COAL, mixed with partings and water 2 5 10  Brift through to the Minor Pit.  COAL 1 10  Drift through to the Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  COAL 1 10  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom											_	=		
Strong brown limestone, like whin 1 2 8  Slue grey metal, very soft, with a little water 5 2 8  COAL, mixed with black metal and the last wedging crib laid on the grey metal below it 0 1 4  Grey metal stone 0 4 8  Blue metal 1 3 0  COAL, mixed with black metal 1 3 0  COAL, mixed with black metal 0 1 9  Grey metal stone, with partings and water 2 5 10  Fi. In.  COAL 1 0  Grey metal stone, with partings and water wedged with black metal 0 7  COAL 1 10  Drift through to the Minor Pit.  Grey metal stone or sill 0 7  COAL 1 10  Grey metal stone, with partings 0 1 4  Grey metal stone or sill 0 7  COAL 1 10  Sill stone 0 0 1 0  White post, with partings at 8 feet down, and wedged 1 4 2  Grey metal stone, inclining to post 0 2 9  Soft black and blue metal 1 5 10  COAL and a drift through to Minor Pit 0 0 3  White post 0 1 3  White post and partings of blue metal and water wedged off Strong white post, spongy, and partings with water Grey and white post and water, wedged off and piped up to the third standing the third standing the control of the cont		_	_	_						_	_	_		
stone, like whin 1 2 8  Slue grey metal, very soft, with a little water 5 2 3  COAL, mixed with black metal, and the last wedging crib laid on the grey metal below it 0 1 4  Grey metal stone 0 4 8  Blue metal 1 3 0  COAL, mixed with black metal 0 1 9  Grey metal stone, with partings and water 2 5 10  Grey metal stone, with partings and water with black metal 0 7  COAL 1 10  Grey metal stone with partings and water with black metal 0 7  COAL 1 10  Grey metal stone or sill 0 7  COAL 1 10  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  Sill stone 0 0 0 3  Grey metal stone, inclining to post 0 2 9  Soft black and blue metal 1 5 10  COAL and a drift through to Minor Pit 0 1 3  White post 0 2 9  Soft black and blue  metal 1 5 10  COAL and a drift  through to Minor  Pit 0 0 3  White post 0 2 9  Soft black and blue  metal 0 1 3  White post 0 2 9  Soft black and stone 0 1 3  White post 0 1		0	0	9					COAL	0	0	10	_	
Slue grey metal, very soft, with a little water 5 2 3										_			1	
Silue grey metal, very soft, with a little water	stone, like whin	1	2	8						0	0	3		
soft, with a little water 5 2 3 3 3 3 4 4 5 6 6 down, and wedged 1 4 2 6 6 frey metal stone 0 1 4 8 8 8 1	Blue grey metal, very									0	0	10		
water 5 2 8  COAL, mixed with black metal, and the last wedging crib laid on the grey metal below it 0 1 4  Grey metal stone 0 4 8  Blue metal 1 3 0  COAL, mixed with black metal 0 1 9  Grey metal stone, with partings and water Pi. In.  COAL 1 0  Grey metal 0 4  COAL, mixed with black metal 0 1 9  Grey metal 0 4  COAL 1 10  Grey metal 0 7  COAL 1 10  Drift through to the Minor Pit.  Grey metal stone or sill 0 7  Grey metal stone, with partings 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  In the standing water wedged off and piped up to the third standing water water water and water, wedged off and piped up to the third standing water water water and water, wedged off and piped up to the third standing water water water and water, wedged off and piped up to the third standing water water water and water, wedged off and piped up to the third standing water water water water and water water water and water, wedged off and piped up to the third standing water water water water and water water water water water water water water and water water water and water water water water and water	soft, with a little													
and wedged 1 4 2 Grey metal stone compared black metal stone sill shad water vedged with partings and water 2 5 10  Grey metal stone, with partings and water 2 5 10  Grey metal 0 7  COAL 1 10  Grey metal 0 7  COAL 1 10  Grey metal stone or sill 0 1 4  Grey metal stone with partings 0 3 9  Drift through to the Minor Pit.  Grey metal stone, with partings 0 1 4  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone, with water near bottom	water	5	2	8										
black metal, and the last wedging crib laid on the grey metal below it 0 1 4	COAL, mixed with									1	4	2		
last wedging crib laid on the grey metal below it 0 1 4   Grey metal stone 0 4 8   Blue metal 1 3 0    GOAL, mixed with black metal 0 1 9    Grey metal stone, with partings and water 0 1 9    Grey metal 0 4    Grey metal 0 4    Grey metal 0 7    GOAL 1 10    Grey metal 0 7    GOAL 1 10    Drift through to the    Minor Pit. Grey metal stone or sill 0 1 4    Grey metal stone, with partings 0 1 4    Grey metal stone or sill 0 1 4    Grey metal stone, with partings 0 1 4    Grey metal stone, with water near bottom    Soft black and blue metal 1 5 10    COAL and a drift through to Minor Pit 0 1 3    White post and partings of blue metal.    and water wedged off 0 2 10    Strong white post, with water 4 5 11    Grey and white post 0 3 7    White post 0 3 7    White post 0 3 7    White post and partings of blue metal.    and water wedged off 0 2 10    Strong white post, with water 4 5 11    Grey and white post 0 3 7    White post and partings of blue metal 1 5 2    White post 0 3 7    White post and partings of blue metal 1 5 2    White post 0 3 7    White post 0 3 7    White post 0 3										_	_	_		
laid on the grey metal below it 0 1 4										Λ	9	Q		
metal below it 0 1 4  Grey metal stone 0 4 8  Blue metal 1 3 0  COAL, mixed with black metal 0 1 9  Grey metal stone, with partings and water 2 5 10  Ft. In.  COAL 1 0 Grey metal 0 4  COAL, mixed with black metal 0 7  COAL 1 10  —————————————————————————————————										v	_	•		
Grey metal stone 0 4 8 Blue metal 1 3 0  COAL, mixed with black metal 0 1 9  Grey metal stone, with partings and water 2 5 10  Grey metal 0 4  COAL 1 0  Grey metal 0 7  COAL 1 10  Drift through to the Minor Pit 0 3 7  Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 0 1 4  Sill stone 0 1 1 9  White post 1 1 9  Grey and white post, mixed with grey metal 1 5 2  Whin 0 3 7  White post and partings of blue metal 0 3 7  Strong white post, with a parting at bottom and water wedged off Strong white post, spongy, and partings with water 4 0 10  Strong white post, spongy, and partings with water 4 5 11  Grey and white post and water, wedged off and piped up to the third standing 4 5 11		Λ	1							,	K	10		
Grey metal stone 0 4 8 Blue metal 1 3 0  COAL, mixed with black metal 0 1 9  Grey metal stone, with partings and water 2 5 10  Fx. In.  COAL 1 0  Grey metal 0 4  COAL, mixed with black metal 0 7  COAL 1 10  Drift through to the 3 7  Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  through to Minor Pit 0 0 3  White post 0 1 3  White post 0 3 7  White post and partings of blue metal. and water wedged off Strong white post, with a parting at bottom and water. 1 4 6  Strong white post, spongy, and partings with water 4 0 10  Strong white post, wedged off and piped up to the third standing	metal below it			-	90			4			U	10		
Blue metal					90	-	•	-						
COAL, mixed with black metal 0 1 9  Grey metal stone, with partings and water 2 5 10  Ft. In.  COAL 1 0  Grey metal 0 4  COAL, mixed with plack metal 0 7  COAL 1 10  Drift through to the Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone, with partings 0 1 4  Grey metal stone, with water near bottom  Strong white post, with water near bottom  Sill stone 0 1 3  White post 0 1 3  White post 1 1 9  Grey and white post, mixed with grey metal 1 5 2  Whin 0 3 7  White post and partings of blue metal and water wedged off Strong white post, with a parting at bottom and water. 1 4 6  Strong white post, spongy, and partings with water 4 0 10  Strong white post, and water, wedged off and piped up to the third standing	Grey metal stone	0	4	8					D:A	^	^			
black metal 0 1 9 Grey metal stone, with partings and water 2 5 10  Ft. In.  COAL 1 0 Grey metal 0 4  COAL, mixed with black metal 0 7  COAL 1 10  Drift through to the	Blue metal	1	3	0					F16	U	U	3		
black metal 0 1 9 Grey metal stone, with partings and water 2 5 10  Ft. In.  COAL 1 0 Grey metal 0 4  COAL, mixed with black metal 0 7  COAL 1 10  Drift through to the	COAL, mixed with								1	_			9	
Grey metal stone, with partings and water 2 5 10  Fig. In.  COAL 1 0 Grey metal 0 4  COAL, mixed with black metal 0 7  COAL 1 10  Drift through to the Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 0 1 4  Strong white post, with water near bottom  White post 1 1 9  Grey and white post, mixed with grey metal 1 5 2  White post and partings of blue metal 0 3 7  White post and partings of blue metal 1 5 2  White post 1 1 9  Grey and white post, with a parting at bottom and water wedged off Strong white post, spongy, and partings with water 4 0 10  Strong white post, spongy, and partings with water 4 0 10  Strong white post Grey and white post and water, wedged off and piped up to the third standing		0	1	9					Sill stone	0	1	8		
Grey metal stone, with partings and water 2 5 10  Ft. In.  COAL 1 0 Grey metal 0 4  COAL, mixed with black metal 0 7  COAL 1 10  Drift through to the Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  Grey metal stone, with partings 4 0 10  Grey metal white post, mixed with grey metal 1 5 2  Whin 0 3 7  White post and partings of blue metal. and water wedged off Strong white post, with a parting at bottom and water. Strong white post, spongy, and partings with water 4 5 11  Grey and white post, mixed with grey metal 1 5 2  Whin 0 3 7  White post and partings of blue metal. and water wedged off Strong white post, with a parting at bottom and water. Strong white post, with a parting at bottom and water wedged off and piped up to the third standing with strong with grey metal 1 5 2  Whin 0 3 7  White post and white post, mixed with grey metal 1 5 2  White post and partings of blue metal. and water wedged off Strong white post, with a parting at bottom and water. Strong white post, with a parting at bottom and water wedged off and piped up to the third standing with strong wi		_			2	8	}	5		_				
partings and water 2 5 10  Ft. In.  COAL 1 0  Grey metal 0 4  COAL, mixed with black metal 0 7  COAL 1 10  Drift through to the Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with a parting at bottom and water 1 4 6  Strong white post, spongy, and partings with water 4 5 11  Grey metal stone, with partings 4 0 10  Strong white post, spongy, and partings with water 4 5 11  Grey and water, wedged off and piped up to the third standing	Grev metal stone, with							•		_		_		
COAL 1 0 Grey metal 0 4 COAL, mixed with black metal 0 7 COAL 1 10  Drift through to the 0 3 9 Minor Pit. Grey metal stone or sill 0 1 4 Grey metal stone, with partings 0 1 4 Grey metal stone, with partings 4 0 10 Strong white post, with water near bottom  metal 1 5 2 Whin 0 3 7 White post and partings of blue metal, and water wedged off Strong white post, with a parting at bottom and water 1 4 6 Strong white post, spongy, and partings with water 6 Grey metal stone, with partings 4 0 10 Strong white post, with water near bottom		2	5	10										
COAL 1 0 Grey metal 0 4 COAL, mixed with black metal 0 7 COAL 1 10  Drift through to the Minor Pit. Grey metal stone or sill 0 1 4 Grey metal stone, with partings 0 1 4 Strong white post, with a parting at bottom and water wedged off Strong white post, with a parting at bottom and water. 1 4 6 Strong white post, spongy, and part- ings with water Grey and white post and water, wedged off and piped up to the third standing		_	·							1	5	9		
Grey metal 0 4  COAL, mixed with black metal 0 7  COAL 1 10  —————————————————————————————————	00AI 1 0													
COAL, mixed with black metal 0 7  COAL 1 10  Drift through to the 3 3 7  Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  In the strong white post, with water near bottom  Strong white post, with water 1 6  Strong white post, with a parting at bottom and water 1										U	0			
with black metal 0 7  COAL 1 10  —————————————————————————————————														
metal 0 7 COAL 1 10  Drift through to the 0 3 9  Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  off 5trong white post, with a parting at bottom and water 1 4 6  Strong white post, spongy, and partings with water 4 5 11  Grey and white post and water, wedged off and piped up to the third standing														
COAL 1 10  Drift through to the 0 3 9  Minor Pit.  Grey metal stone or sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  Strong white post, with water near bottom  Strong white post, with water near bottom  Strong white post, with water ings with water 4 5 11  Grey and water, wedged off and piped up to the third standing											-	10		
Drift through to the 3 3 7  Minor Pit. Grey metal stone or sill 0 1 4 Grey metal stone, with partings 4 0 10 Strong white post, with water near bottom  With a parting at bottom and water. 1 4 6 Strong white post, spongy, and partings with water 4 5 11 Grey and white post and water, wedged off and piped up to the third standing										0	2	10		
Drift through to the ———————————————————————————————————	COAL 1 10	_	_											
Minor Pit.  Grey metal stone or sill 0 1 4 spongy, and partings with water  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  Strong white post, with the third standing the standing strong white post, with the standing strong white post, spongy, and partings with water 4 5 11  Grey metal stone or spongy, and partings with water 4 5 11  Grey metal stone or spongy, and partings with water 4 5 11  Grey metal stone or spongy, and partings with water 4 5 11  Grey metal stone or spongy, and partings with water 4 5 11  Grey metal stone, with grey metal stone, with spongy, and partings with water 4 5 11  Grey metal stone, with grey metal stone, with grey metal stone, with grey metal stone, with grey stone, and partings with water 4 5 11  Grey metal stone, with grey and white post and water, wedged of the stone stone 4 5 11  Grey metal stone, with grey metal		0	9	8								0		
Grey metal stone or sill 0 1 4 ings with water 4 5 11  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom spongard and water, wedged off and piped up to the third standing	Drift through to the	_				3 8	3	7	bottom and water	1	4	6		
Grey metal stone or sill 0 1 4 ings with water 4 5 11  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom spongard and water, wedged off and piped up to the third standing									Strong white post,					
sill 0 1 4  Grey metal stone, with partings 4 0 10  Strong white post, with water near bottom  sill 0 1 4  ings with water 4 5 11  Grey and white post and water, wedged off and piped up to the third standing														
Grey metal stone, with partings 4 0 10 Strong white post, with water near bottom  Grey and white post and water, wedged off and piped up to the third standing	-51	0	) 1	4	ļ					4	5	11		
partings 4 0 10 Strong white post, with water near bottom  and water, wedged off and piped up to the third standing		•		-										
Strong white post, with water near bottom off and piped up to the third standing		4	. (	10	)									
water near bottom the third standing			. `	`	•									
O 1 O									the third standing					
and spongy o i o sett cistern			, ,		2					3	T	3		
I	and spongy	ð	•		,				Sett Cistern	-				_

### No. 1,154.—HETTON.—CONTINUED.

Brought forward Grey metal stone	14		3	Fs. 67			Brought forward Strong grey metal				Fs. 90	Ft. In. 7
COAL 0 4 Grey metal 1 0 COAL 1 3							stone, with strong dunnish post girdles Grey metal Five-Quarter Seam—	3				
Band 0 5 COAL 3 2 Band 0 4							COAL 1 7 Black metal,					
with black metal 0 11			-				with scares of coal 0 6 Dark grey metal 4 4					
Thill	0	1	-	16	2	2	COAL 0 5	1	0	10	5	5 10
Grey metal stone, with large balls of iron- stone	1	2	4				Grey metal stone, with post girdles Grey post		4 4			
Strong grey metal stone, with girdles Black metal, with		3					Blue and grey metal stone Blue and grey metal	3	5	9		
coal Ft. In. 1 2 Black grey	U	0	9				stone, with strong girdles  Main Coal Seam—	1	5	3		
metal, with scares of coal 2 8	0	3	10				COAL, top. 1 8 Band 0 1 COAL 4 9					
Grey metal stone, with balls of ironstone			_	6	0	4	Depth of the sump	1	0	6	13	2 10 3 0
Carried forward			-	90	1	7	Total			1	14	1 3

### No. 1,155.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 21 of Ordnance Map. About Lat. 54° 49′ 1", Long. 1° 26′ 27".

An Admeasurement of the Minor Pit to the Main Coal Seam, and Strata sunk through from there to the Hutton Seam. Begun December 23rd, 1820; finished January 6th, 1823.

Total depth of the	Iu. Fs.	Ft.	In.	Brought forward			In. Fs. Ft. In. 108 4 1
Minor Pit to the				White post			
thill of the Main				Grey and white post			
Coal Seam, sunk				Black metal stone			
through various				Blue metal, with iron-			
strata similar to				stone girdles	1	2	4
those specified in the Blossom Pit sinking				Black metal	0	1	4
account	108	4	1				
Carried forward	108	4	1	Carried forward	3	4	8108 4 1

### No. 1,155.—HETTON.—CONTINUED.

a data data data
Brought forward 2 2 8
Grey metal, with post girdles 2 0 10
Black and blue metal
coal (commonly
Grey metal, with post
girdles 0 5 11
Band 0 14
COAL 0 7 0 1 0
Thill 0 4 0
Strong grey metal 1 2 0
Black metal 0 3 0
Blue metal, with post girdles 0 1 4
Strong white post 4 0 0 Grey metal and post
girdles 1 1 0
Hutton Seam- Ft. In. COAL 4 72
Band 0 3½ COAL, bot-
tom (coarse) 1 3 1 0 2
Depth of sump
Total 16
ARKS.
Fa Ft. In. Fa Ft
of the walling in the 6 3 0
tubbing 4 5 6
t wedging erib 20 1 7
erib 5 0 6
27 1
38 4
ch deliver the water m from the surface
40 0 0
barrel 36 0 0

### No. 1,158.-HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

Third Hole, about 13 yards West from the second. August 24th, 1824. Approximate surface level feet above sea (Ordnance datum).

Soil	Fa.	Ft.	In.	Fs. Ft. In.	Brought forward 2	Fa.	FA.	In I
Yellow stony clay,	~	-	**		Dark grey metal,	-	_	7
with tumblers and					seared with coal	0	9	9
water	0	4	6		Red metal			6
Brown stony clay, with	-	-			Yellowish brown sandy	~	~	
scares of sand	9	9	0		limestone		4	0
Sand, with water	0	ã	6		Red metal stone			0
Stone alon with turn	0	0	0		Whitish brown post			0
Stony clay, with tum-	-	0	3		Red and white scared	0	-	0
blers		0	0					
Soft sandy post,					post, with partings	-	-	-
mixed with gravelly	-		*		of brown and yellow	G	T	0
Soft sandy brown post	1	3	0		Brown post	1	3	3
Soft sandy brown post	4	D	0		Black metal, with a	-	-	-
Soft grey, brown, yel-					scare of coal at top		0	8
low and blue con-		10			Grey metal	0	0	8
fused metal	1	2	0		Black metal, with	-	-	
Red metal, scared with					bands of coal	0	4	6
brown and soft part-					La constitution of the	-	-	- 4
Reddish brown metal	4	2	0		Grey metal and metal			
Reddish brown metal	0	5	0		stone, with girdles	3	3	9
Blue metal, with thin					COAL			
girdles near the								- 1
bottom	7	5	0		Grey metal Grey metal stone	0	1	0
Black metal stone,					Grev metal stone	0	1	7
mixed with coal		3	9				_	_ 1
Grey metal								
Carried forward	26	5	6		Total			50

### No. 1,159.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat.

, Long.

Account of a Boring at Heworth Shore, about 150 yards from the Staith on the 1 side of the Wagonway. December 26th, 1763.

Sunk to the scaffold,       8 5 6         about       8 5 6         Box       1 0         Brown post       7 0 6         A soft yellow parting       0 0 6	Brought forward 17 1 6 Grey and brown p 4 0 Brown post 2 oft brown ram 0 to metal 6
--	---

### No. 1,155.—HETTON.—CONTINUED.

2 2 3 3 3	2: 1	81 10 5 0 9 2 3 2	7	4	11	Brought forward Grey metal, with post girdles 2 0 10 Black and blue metal stone 1 0 0 COAL (commonly called splint coal) 0 1 0 Grey metal, with post girdles 0 5 11 COAL 0 4 Band 0 12 COAL 0 7  Thill 0 4 0 Strong grey metal 1 2 0 Grey post 1 2 4
2 3 3 3	3 3 3	5 0 9 2	7			Grey metal, with post girdles 2 0 10  Black and blue metal stone 1 0 0  COAL (commonly called splint coal) 0 1 0  Grey metal, with post girdles 0 5 11  COAL 0 4  Band 0 12  COAL 0 7
2 3 3 3	; ;	0 9 2 3 - 2 0	7			Black and blue metal   stone
2 3 3 3	; ;	0 9 2 3 - 2 0	7			Black and blue metal stone
5	; ;	9 2 3 - 2 0	7			Stone
5	; ;	9 2 3 - 2 0	7	2	2	COAL (commonly called splint coal) 0 1 0 Grey metal, with post girdles 0 5 11 COAL 0 4 Band 0 12 COAL 0 7 0 1 02 Thill 0 4 0 Strong grey metal 1 2 0
5	; ;	9 2 3 - 2 0	7	2	2	called splint coal) 0 1 0   Grey metal, with post girdles 0 5 11   COAL 0 4   Band 0 1   COAL 0 7   COAL 0 7   COAL 0 7   COAL 0 7   COAL 0 1   COAL
5 4	; 	3 - 2 0	7	2	2	Grey metal, with post girdles 0 5 11  COAL 0 4  Band 0 1  COAL 0 7
5	; 	3 - 2 0	7	2	2	girdles 0 5 11  COAL 0 4  Band 0 12  COAL 0 7  0 1 02  Thill 0 4 0  Strong grey metal 1 2 0
4		2	7	2	2	COAL 0 4 Band 0 12 COAL 0 7
4		2	7	2	2	Band
4		2	7	2	2	Thill 0 4 0 Strong grey metal 1 2 0
4		2	7	2	2	Thill 0 4 0 Strong grey metal 1 2 0
4		2	7	2	2	Thill 0 4 0 Strong grey metal 1 2 0
4		2	7	2	2	Strong grey metal 1 2 0
4		Ō	7	2	2	Strong grey metal 1 2 0
4		Ō	•		_	Grey nost 1 9 4
4						I CATPUT THORE I X A
						M 1
Ī						Black metal 0 3 0
		-				Blue metal, with post
3	Ł	8				girdles 0 1 4
5						Strong white post 4 0 0
_		٠				Grey metal and post
5		9				girdles 1 1 0
						Hutton Seam Pt. In.
						COAL 4 71
•		G				Band 0 31
		1				COAL, bot-
7	•	-	•	4	11	tom (coarse) 1 3
		_	•	3	11	— 1 0 <b>2</b>
						1
2	:	2				Depth of sump
2	,	 Q 1	30			
	3 5 4	3 5 4	3 0 5 8 4 1 0 6 2 2	3 0 5 8 4 1 0 6	3 0 5 8 4 1 0 6	3 0 5 8 4 1 0 6

### RKMARKS.

		_	Ps.	Ft.	In. Fs.	Ft.
From the settle boards to the bottom of the wal Blossom Pit			6	2	^	
From thence to the top of the cast iron tubbing	•••		4			
	•••	•••		-	<u> </u>	2
From the top of the tubbing to the first wedging	crib		20			
From the first to the second wedging crib	•••		1			
From the second to the third wedging crib	•••	•••	9	<u> </u>	— 27	1
Total					38	4
Length of the high set of pumps which deliver						
into a delivery drift about 1 fathom from the with a 22-inch working barrel			40	Λ	0	
with a 22-inch working barrel Length of the second set, 12-inch working barrel						
Do. fourth set, 8-inch do.	•••		36	0		
					144	3
Total					144	_
1041	•••	•••				<u> </u>

### No. 1,155.—HETTON.—Continued.

I must all the iner tubbine in	the Wi-	on Die	to etc	n tha	Fs.	Ft.	In. F	u Ft.	In.
Length of the iron tubbing in limestone feeders of water Length of the iron tubbing at the to stop the feeders of water	 e depth	 of near	 80 fatl	oms.	25	3	9		
the grey and white post					<u>5</u>		0 — 8	1 1	. 9
Total	•••	•••		•••			_3	1 1	9

### No. 1,156.—HETTON.

#### TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

First Hole bored at Hetton, in the High Downs Estate. July 13th, 1824.

Approximate surface level feet above sea (Ordnance datum).

~ .,									Fs.	Ft.	In.
Soil	•••	•••	•••								
Gravel and sand	•••	•••	•••								
Sand, with water						0	1	6			
Sand and gravel,	with tu	mblers	and m	xed cod	ıl	0	3	9			
Stony clay											
								-	3	2	0
									_	_	_

### No. 1,157.—HETTON.

### TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Second Hole, about 80 yards West from the first. July 22nd, 1824.

	Fs.	Ft.	In.	Fa. Ft. In.		Fa.	Ft.	In.	Fs.	Ft.	In
Soil	0	4	0	•	Brought forward						_
Yellow stony clay					Sandy clay, gravelly						
Brown stony clay,					near the bottom	0	3	6			
mixed with soil and sand, and a spring					Strong clay, with scares of sand in						
of water near the					some places	4	4	6			
bottom	1	1	6		Gravel	0	0	6			
Blue sandy clay, with					Soft sandy brown post						
water	0	1	6		• •	_			16	1	6
Blue sandy clay										_	_
Sand and gravel, with											
water	0	4	6								
Carried forward	4	2	6		Total				16	1	6

#### No. 1,158.—HETTON.

#### TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

## Third Hole, about 13 yards West from the second. August 24th, 1824. Approximate surface level feet above sea (Ordnance datum).

0.7				Ft. In.	B	Fs.	Ft.	In 1
	0	•	y	•	Brought forward		Ð	б
Yellow stony clay,					Dark grey metal,	_	_	_
with tumblers and	_		_		scared with coal	0	2	9
water		4	6		Red metal		2	6
Brown stony clay, with					Yellowish brown sandy			
scares of sand	3	2	9		limestone			
Sand. with water	0	0	6		Red metal stone	1	4	0
Stony clay, with tum-					Whitish brown post	0	2	0
blers	7	0	3		Red and white scared			
Soft sandy post,					post, with partings			
mixed with gravelly					of brown and vellow	5	1	0
limestone	1	3	0		of brown and yellow Brown post	1	3	3
Soft sandy brown post	7	5	0		Black metal, with a			
Soft grey, brown, yel-	-				scare of coal at top		0	8
low and blue con-					Grey metal		Ō	
fused metal	1	2	0		Black metal, with		-	•
Red metal, scared with	_	_	-		bands of coal		4	6
brown and soft part-								<u> </u>
ings	4	2	0		Grey metal and metal			
Reddish brown metal	ā	5	ň		stone, with girdles		9	٥
Blue metal, with thin	٠	•	•		COAL			
girdles near the					30AL	_	~	
bottom	7	5	ο		Grey metal	_	1	
Disch match stone	•	U	U		Grey metal stone	×	÷	7
Black metal stone,	Δ		9		Grey metal stone	U	1	′
mixed with coal	Ň	3	3		l			_
Grey metal	U	3	U		į			
Carried forward	~	Ę	-6		Total			

### No. 1,159.—HEWORTH.

#### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat.

, Long.

Account of a Boring at Heworth Shore, about 150 yards from the Staith on the side of the Wagonway. December 26th, 1763.

Approximate surface level

feet above sea (Ordnance datum).

Pa Pa In Pa	Fa In Fa Brought forward 17 1 6
Sunk to the scaffold.	
about 8 5 6	Grey and brown metal 0 4 0
Rox 110	Brown post 0 1 2
Reven post 7 0 6	Soft brown ramble 0 1 0
A soft yellow parting 0 0 6	Blue metal 0 1 6
Carried forward 17 1 6	Carried forward 18 3 2

### No. 1,159.—HEWORTH.—CONTINUED.

	Brought forward	8	120	U	TO	0	In.
	Soft black metal	0	0	4			
	COAL	0	1	6			
		_			8	5	10
	Grey metal stone	0	5	9	-	-	В
		~					
	COAL 0 7						
	Plack swammatal 0 10						
	Black grey metal 0 10						
	COAL 0 4						
	_	0	1	9		-	
	0 - 200	-	-	-	1	1	(
	Grey metal stone	0	3	0			
	Whin	0	0	6			
	Grey metal stone with						
	girdles	1	3	0			
	Strong white post, with		100				
	a mixture of whin						
1 6		3	4	0			
. 0	girdles and water	9	*	v			
	Blue grey metal stone			-			
	with post girdles	2	4	6			
	Grey scamy post	0	4	0			
	Whin mixture, with						
	water	0	1	6			
	Grey girdly stone	4	2	0			
	Black metal, with						
	scares of coal at						
		2	4	0			
	Strong white post Whin, mixed with	7					
	Strong white post	4	3	0			
		-		-			
0 4	strong white post	6	3	0			
	Strong white post,	0	0	3			
	Strong white post,						
	mixed with whin	0	5	0			
	COAL	0	0	7			
	Strong white post	0		6			
	Grey metal stone		ĩ	Ö			
		0	ō	4			
	Blue grey metal		0	-F		0	
	0041	-	-	-	29	V	
	COAL	0	1	8			
	Soft black danty me-	1		- 2			
	tal, mixed with coal	0	0	2			
	Blue grey metal	0	0	11			
			3	9			
	Grey metal	0	0	7			
	COAL, but rather						
	coarse	0	1	0			
1 2	Discoveral mined with			·			
1 4	Blue metal, mixed with		^	-			
	coal	0	0	1			
	COAL, hard slaty	0	1	4			
	COAL, foul slaty,						
	with hard girdle or						
	brass lump in middle		0	6			
		_			1	4	
	In grey metal				0		
	In grey metal				_		
	Tratal				01	2	,
	Total			- 3	81		3
	Man 1st 1766 Pode			- 1			
					-		
	Sunk				8	-	,
					-		
	3 0	measured Sunk	Total	measured Sunk	measured Sunk	measured 71   Sunk 8	measured 71 5   Sunk 8 5

### No. 1,162.—HEWORTH.

#### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat.

Approximate surface level

Account of the Boring near Bill Quay, in a field called Cockshotts. July 17th, 1

feet above sea (Ordnance datum).

, Long.

	Fs.	Ft.	In.	Fs.	Ft.	In.	1	Fs.	FL.	In.	Pt.
Sunk to the scaffold				15	0	6	Brought forward	11	4	4	45
Box	1	4	6				Blue metal stone, with				
Blue metal stone, with			-				hard lumps	3	4	0	
post girdles	4	4	0				Ft. In.	•	-	•	
	-	•	٠								
Brown post, with		•									
water COAL, soft	2	1	6				Blue metal 0 2				
COAL, soft	0	0	5	_		_	COAL, foul 0 4	_	_	_	
	_		_	8	4	5		0	1	0	
Soft blue metal	0	3	0							_	15
Soft grey metal	0	5	0				Grey metal	0	1	0	
Brown thready post,							Grey metal stone, with				
with partings and							hard lumps	2	0	0	
	9	2	8				White post, with water	ĩ	2	ŏ	
	ő	4	Ö				Strong white meet	-		v	
White post	U	-91	U				Strong white post,				
Blue metal stone, with		_	_				mixed with whin in	_	_	_	
post girdles	1	2	0				several places	2	3	0	
Strong white post,							Blue metal	0	0	4	
with water	2	3	9				COAL, foul	0	0	2	
COAL	0	0	9				,				6
				15	3	2	Grey metal, with post				
Grey post, with water	2	3	0				girdles	1	2	6	
Blue and black slaty	_	·	·				Blue metal stone	ō	5	ŏ	
	0	0	9								
metal	U	U	8				Grey metal stone	0	5	2	
Grey and blue metal							Strong white post,	_			
stone and metal							_ mixed with whin	0	5	4	
stone with hard							Blue metal stone, with				
lumps and water							hard lumps	1	0	3	
near the bottom	2	4	9				Black metal	0	0	4	
Black metal, Ft. In							COAL, with water	Ô	Ō	8	
mixed with	•										5
coal 0 10							Grow motel	0	4	6	·
0 10							Grey metal	U	-	O	
COAL 0 6							Strong white post,	_	_	_	
Grey metal 0 1							mixed with whin	0	2	0	
COAL 0 3		_	_				Grey scamy stone	0	5	6	
	0	1	8				Black metal	0	0	4	
	_			5	4	2	COAL	0	0	8	
Grey scamy stone, with								_			2
hard girdles and							Blue grey metal Grey metal	0	1	0	
water	6	3	2				Grey metal	Ō	3	2	
Strong white post,	٠	•	_				White post	ŏ	3	õ	
								·	U	U	
with scamy partings		^	0				Strong white post,				
and water	1	0	6				mixed with whin	• •	_	_	
Blue stone, with post	_	_	_				and whin girdles		2	6	
girdles and water	1	2	8				Grey metal stone	1	0	0	
White post, with part-							Post girdles and metal				
ings and water	1	0	0				partings	1	2	6	
Blue metal stone, with							Blue grey metal	ō	_	ŏ	
girdles and water	1	0	0				Blue and black metal		4	ŏ	
Strong white post,	•	٠	٠				1	õ	ō		
	0		0				COAL	U	U	6	177
with water	0	4	J								17
~				45	_	_					_
Carried forward	11	4	4	45	0	3	Carried for	war	đ		91

### No. 1,161.—HEWORTH.

### TOWNSHIP OF HEWORTH, DUBHAM.

Sheet 7 of Ordnance Map. Lat. , Long.

Approximate surface level feet above sea (Ordnance datum).

nt of a Boring in a Staple in Heworth Colliery, near the Stony Gate. October 3rd, 1768.

				Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
scaffold	3		0				Brought forward 41 5 5
	3	0	6				Grey metal, with hard
l, mixed							girdles and water 1 3 0
	0	0	6				White post 2 0 0
nd brown							Blue grey metal and
tal, with							metal stone, with
	4	2	0				girdles and water 3 1 7
etal	0	1	0				Grey post, with water 0 4 6
rey metal							Blue grey metal, with
al stone,							girdles and water 1 1 6
ixture of							Black stone, with a
les	10	3	0				mixture of coal at
nd black	10	·	·				the bottom 0 1 0
th small							Grey metal, with gir-
oal	0	5	6				dles and water 1 5 0
				22	5	6	Grey and white post 1 3 0
stone	1	1	_0	22	U	U	Blue metal 1 0 0
		1	U				1
ite post,							Black metal, with sul-
ings and	^		_				phur or water 2 3 0
::;	0	3	0				Strong white post,
lue metal							with water and coal
th girdles	_	_	_				pipes near the bot-
3	2	5	6				tom 12 0 0
grey post,	_		_				High Main Seam-
r	0	4	6				Ft. In.
with gir-							Grey coal pipy
rater	2	3	0				stone 0 9
rey metal	2	4	6				COAL 1 3
with gir-							Bluegrey metal 0 4
vater	2	4	0				COAL, with a
grey post,							hard brass
tings and							
	1	3	0				lump near the
		4					top, and water 3 9
	·	-	·				Grey metal 0 6
grey post,	0	4.	6				COAL, coarse 2 3
	U	-	v				COAL, foul
lue metal,	2	3	0				slaty 0 5
er		1					1 3 3
ıl slaty		_		18	5	11	In blue grey metal 29 1 10 0 8
				_			

### No. 1,162.—HEWORTH.

### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat.

, Long.

Account of the Boring near Bill Quay, in a field called Cockshotts. July 17th, 1780.

Approximate surface level feet above sea (Ordnance datum).

	_	_	_	-	_	_		-	-	-	-	-	4
Sunk to the scaffold	Fs.	Ft.			Ft.		Brought forward		FL				
The state of the s	1	4		TO	0	U	Blue metal stone, with	11	2	*	40	0	0
Blue metal stone, with	-	-10	0				400.44	3	4	0			
post girdles	4	4	0				The second second		-2				
Brown post, with	*	*					COAL 0 6						
brown post, with	2	1	6				Blue metal 0 2						
water		0					Blue metal 0 2						
COAL, soft	0	0	0	0	4	K	COAL, foul 0 4	0	1	0			
Soft blue metal	0	3	-0	0	-24			0	-		15		
Soft blue metal Soft grey metal	0		0				Grey metal	0	1	0	10	0	*
The state of the s	U	o	ņ					0		0			
Brown thready post,							Grey metal stone, with	9	0	0			
with partings and	0	0	8				hard lumps		0 2	0			
water	9	2	0				White post, with water	1	2	O			
White post	0	4	O				Strong white post,						
Blue metal stone, with	4	0	0				mixed with whin in	0	0	0			
post girdles	1	2	U				several places			0			
Strong white post,		0	0				Blue metal	0	0	4			
with water	2	3	9				COAL, foul	0	0	2		^	
COAL	0	0	9	15		2	Commental with some				0	0	0
G	-	0	-	19	3	2	Grey metal, with post	-					
	2	3	0				girdles	1	2	6			
Blue and black slaty		^	0				Blue metal stone			0			
metal	0	0	9				Grey metal stone	0	5	2			
Grey and blue metal							Strong white post,	-	-				
stone and metal							mixed with whin	0	5	4			
stone with hard							Blue metal stone, with	-	-	-			
lumps and water	-						hard lumps		0	3			
near the bottom		4	9				Black metal		0	4			
Black metal, Ft. In.							COAL, with water	0	0	8	-	-	
mixed with							A	-	-	-	5	1	3
coal 0 10							Grey metal	0	4	6			
COME 0 0							Strong white post,	-	-	-			
Grey metal 0 1							mixed with whin			0			
COAL 0 3	0	-	0				Grey scamy stone			6			
	0	1	8	-		ò	Black metal			4			
			_	9	*	2	COAL	0	0	8		-	
Grey scamy stone, with							71	-		_	2	1	0
hard girdles and			0				Blue grey metal	0	1	0			
water	0	3	4				Grey metal White post	0	3	2			
Strong white post,								0	3	0			
with scamy partings	-		0				Strong white post,						
and water	1	0	6				mixed with whin	10					
Blue stone, with post		0	0				and whin girdles		2	6			
girdles and water	1	2	8				Grey metal stone	1	0	0			
White post, with part-		ò	-				Post girdles and metal	4		-			
ings and water	1	0	0				partings	1	2	6			
Blue metal stone, with	4	0					Blue grey metal	0	3	0			
girdles and water	1	0	0				Blue and black metal	-		0			
Strong white post,		4	^				COAL	0	0	6	100		0
with water	0	4	0					-		-	17	1	8
			-	-	-	0					-	-	-
Carried forward	11	4	4	45	0	3	Carried for	war	d		91	2	0

#### No. 1,162.—HEWORTH.—CONTINUED.

Brought forward   Grey metal and metal   Stone, with post girdles   1 3 0   Strong white post, with a mixture of whin in some places   9 3 0   Strong grey metal stone, with girdles   1 0 0   Strong grey metal   Stone, with girdles   1 0 0   Strong gridly post, with partings   1 4 6   COAL   Strong gridly post, with partings   1 4 6   COAL   Strong grey metal   Stone with girdles   1 0 0   Strong gridly post, with partings   1 4 6   COAL   Strong gridly post, with partings   1 4 6   COAL   Strong gridly post, with partings   1 4 6   COAL   Strong gridly post, with partings   1 4 6   COAL   Strong gridly post, with partings   1 4 6   COAL   Strong gridly post, with partings   1 4 6   COAL   Strong gridly post, with sulphur and a small brass lump at the bottom   2 11   Strong gridly post   Strong								
Black metal 0 0 4	Brought forward	Fs.	Ft.	In.				Fs. Ft. In. Fs. Ft. In. Rrought forward
Strong white post, with a mixture of whin in some places 9 3 0   COAL, slaty 0 1   COAL 2 7					91	2	U	
Strong white post, with a mixture of whin in some places 9 3 0								
Strong white post, with a mixture of whin in some places   9   3   0		1	9	Λ				
with a mixture of whin in some places 9 3 0  Black and grey scamy stone 0 2 0  Strong grey metal stone, with girdles 1 0 0  Strong girdly post, with partings 1 4 6  Upper Main Seam—  Ft. In.  COAL 0 3  Black metal 0 4  COAL, with sulphur and a small brass lump at the bottom 2 11		•	u	U				
whin in some places 9 3 0  Black and grey scamy stone 0 2 0  Strong grey metal stone, with girdles. 1 0 0  Strong girdly post, with partings 1 4 6  Upper Main Seam—  Ft. In.  COAL 0 3  Black metal 0 4  COAL, with sulphur and a small brass lump at the bottom 2 11  — 0 3 6  14 4 0								COAL slaty 0 1
Black and grey scamy     0 2 0   0   0   0   0   0   0   0		a	Я	Λ				
Strong grey metal   Strong grey metal   Strong gridly post, with partings   1 4 6   Grey metal stone   0 3 9		U	u	٠				· ·
Strong grey metal stone, with girdles. 1 0 0 Strong girdly post, with partings 1 4 6 Upper Main Seam—  COAL 0 3 Black metal 0 4 COAL, with sulphur and a small brass lump at the bottom 2 11 0 3 6 14 4 0		Λ	9	α				
stone, with girdles. 1 0 0 Strong girdly post, with partings 1 4 6 Upper Main Seam—  Ft. In.  COAL 0 3 Black metal 0 4 COAL, with sulphur and a small brass lump at the bottom 2 11		Ů	~	٠				
Strong girdly post, with partings 1 4 6  Upper Main Seam—  COAL 0 3  Black metal 0 4  COAL, with sulphur and a small brass lump at the bottom 2 11		1	Λ	0				
with partings 1 4 6  Upper Main Seam—  COAL 0 3  Black metal 0 4  COAL, with sulphur and a small brass lump at the bottom 2 11		•	٠	ŭ				
Upper Main Seam—  Ft. In.  COAL 0 3  Black metal 0 4  COAL, with sulphur and a small brass lump at the bottom 2 11		1	4	6				
COAL 0 3 Black metal 0 4 COAL, with sulphur and a small brass lump at the bottom 2 11		-	-	Ŭ				• •
Black metal 0 4 COAL, with sulphur and a small brass lump at the bottom 2 11								
COAL, with sulphur and a small brass lump at the bottom 2 11 0 8 6 14 4 0								
sulphur and a small brass lump at the bottom 2 11								
a small brass lump at the bottom 2 11 0 8 6 14 4 0								
lump at the bottom 2 11 0 8 6 14 4 0								
bottom 2 11								
14 4 0	bottom 2 11	^		e				
m.4.1 10h 4		U	9		14	4	_	
Carried forward 106 0 0 Total 107 2				_	T-20	*	v	
Callieu Ioi waitu Ioo O O	Carried for		1	1	OG.	^	_	Total 107 2 10
· · · · · · · · · · · · · · · · · · ·	Carried for	W OLIT	u.	•	.00	U	0	

### No. 1,163.—HEWORTH.

#### TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56′ 19″, Long. 1° 33′ 28″.

### Account of Strata sunk through at the John Pit, Heworth Colliery, near Gateshead.

Outset		Ft.		Fs,	Ft.	In.	Fs. Ft. In. Fs. Ft. In Brought forward 10 1
Soil			ŏ				Thill 0 2 0
Strong brown clay							Blue metal, mixed with
Brown post	1	2	8				post girdles 1 3 0
Strong white flag post	0	5	4				COAL 0 0 4
Light brown freestone	3	1	0				1 5
White flag post	0	1	10				Thill 040
Brown post	0		10				Grey metal and post
Blue metal	0	0	4				girdles 5 3 0
COAL	0	0	6				White post, with me-
				10	1	6	tal partings 4 2 0
						_	
Carried for	var	d		10	1	6	Carried forward 10 3 0 12 0 10

### No. 1,163.—HEWORTH.—CONTINUED.

Brough	t forward				Fa. 12		In. 10	Brought forward	Fs. 0	Ft. 4	In.	Fs. 50	Pt In
White post,						F		Scamy post	0	2	0		
balls	***		2	0				Blue stone	0	0	9		
White post,			-					COAL	0	0	8		
ings Discounted	*** ***	-		0				Disab store	-	0	-	1	110
COAL	100 100	-	0	2				Black stone	0	0	2 3		
CONL	10.00		v	-	13	5	6	Thill	o	2	3		
Thill		0	3	6		-		Blue stone	2	5	4		
Blue metal	145 46	-	0	9				COAL	0	0	3		
COAL	446 14	. 0	0	4			-		-		-	3	4 3
		-	-	-	5	4	7	Thill	0	1	0		
Thill		. 0	2	2				Grey metal	0	4	0		
Scamy post		7	3	0				Grey metal and post	3	3	0		
girdles Whin	*** **	-		3				Blue stone	0	4	8		
Post, with	thin part		-	0				Scamy post	2	i	9		
ings	.ee.	-	3	4				Blue stone	0	0	9	=	-
Blue metal		- 6		8				Grey metal and post	-	0	9		
COAL	***   ***	-	0	4	1			girdles	3	5	10		
		-		-	3	4	9	Post-Main Post	7	0	6		
Thill		. 0	2	0	1			Soft grey metal and	1				
Black slate	146	-						girdles	0	5	6		
Thill		. 0	4	0				Grey post	1	5	8		
Grey metal	and pos							White post, mixed					
girdles			4	0				with metal	1	4	0		
Grey post	P. 19	-	-	6				Grey metal	0	3	2 2		
Blue metal s		-	3	0				Black stone High Main Seam-	U	v	4		
Black stone		-	1	10				Ft. In.					
COAL	202 231	-	1	0	6	4	8	COAL 0 4					
Thill		0	2	0		-	0	Brown metal 0 2					
Black stone		- 00	3	0				COAL 2 10					
COAL	***	- 6	0	1				COAL, coarse 0 4					
		-	-	_	0	5	1	Grey metal					
Thill	*** ***		2	10				band 1 3					
Grey metal	*** ***		0	6				COAL 2 2					
Post girdles	*** ***		2	0				COAL, coarse,					
Grey metal	*** ***	-	3	6				and slaty 0 11	1	2	0		
Whin Blue metal	*** **		1	9						-		26	1
COAL	****	14	0	5				Thill	0	1		20	-
COME	*** ***	-	0	0	4	0	4	Black stone	0	4			
Then		0	1	6	1			Blue stone		4	6		
Thill Blue stone	117 113	- 2	1	3				Black stone	0	4	-		
Post girdles		- 2	1	4				Blue stone	1	2	4		
Whin		-	ô	9				Grey metal stone	0	5	9		
Grey metal		- 2	2	0				Blue stone	1	0	0		
Scamy post		- 2	1	3				Metal Coal Seam-					
Whin		0	1	0				COAL 0 6					
Post			2	0				Brown band 0 11					
Blue metal			5	0				COAL 2 6					
Ridding ston	е	0	0	7					0	3	11		
COAL	***	0	0	9	0	-	-				_	6	3
		-		-	2	5	5	Thill	0	1	4		
Black metal	107 500	0	2	9				Grey metal stone	2	1	0		
Thill	*** - ***	0	1	8				Black stone	0	1	4		
	forward	0	4	-	50	1	2	Carried forward	2	3	8	-	5 1

### No. 1,163.—HEWORTH.—CONTINUED.

2	3	8	87	5	10	Brought forward 10 1 9106 3104
0	=	0				Bensham Seam— Ft. In.
						COAL 1 63
0	1	0				77 1 0 1
2	-					0041
0	1	1				COAL 1 14
-		-	3	5	5	Band 1 10½
0	9	11				COAL 1 5
U	4	11				Band 0 03
-	-	-				COAL 0 64
		750				— 1 0 7 <del>1</del>
-						11 2 4
0	1	0				Thill 0 2 5
=		_	2	1	10	Blue metal 2 0 0
à	1	4				Ft. In.
100	177	-				Band 0 3
100						COAL 0 11
0	0	8				Thill 1 0
-		_	3	5	6	- 0 2 4
					-	2 3 9
-	-	-				Grey metal stone 1 2 9
2	4	0				Post, mixed with whin 0 1 7
						Grey metal, with thin
0	2	11				post girdles 0 4 7
						White post 0 5 6
2	0	2				Black stone 0 0 2
		-				O'm Owanter Comm
						Six-Quarter Seam—
						COAL 0 9
U	T	1				
-		-				Brown slaty
		3				band 0 10
0	1	0				COAL 1 3}
						Splint 0 5
						Thill 0 6
						— 0 3 9½
						4 1 4
						Post 0 1 6 Blue stone 2 4 5
						Blue stone 2 4 5
2	-					Five-Quarter Seam-
0	3	44				Ft. In.
			8	2	21	COAL 1 101
	-		0		4	Splint 0 3
0						COAL 0 11
0	2	8				— 0 3 0 <del>1</del>
2	1	4				— 0 3 0 <sub>2</sub> 3 2 11
0	4	9				77-11
-		-				Thill 0 1 2
9	1	9				Strong grey metal stone 0 4 2
-		-				Strong grey post,
						mixed with whin 0 3 7
						Blue stone 1 2 2
0	1	4				COAL 0 0 2
1		-				2 5 3
0	4	1				
0	0	8				
						Dide Stone in in o = o
	5	4				Post girdles, mixed
0		-				with water 0 2 0
0	7	34				Minale stone 0 0 7
0	1	8				Black stone 0 0 7
0		-				Thin post girdles,
0	2	4				Thin post girdles, mixed with metal 0 3 6
0		-				Thin post girdles,
	2 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	2 3 0 5 0 1 0 1 0 1 0 2 0 2 1 1 1 0 0 0 0 0 0 0	2 3 8 0 5 2 0 1 6 0 1 1 0 2 11 0 2 11 0 2 9 1 1 2 0 1 0 0 1 4 3 1 10 0 1 0 0 0 8 0 0 8  2 4 0 0 2 11 2 0 2 0 0 10 1 0 8 0 1 1 1 1 3 0 1 0 0 3 44 0 4 9 2 1 2 1 0 8 0 1 4	2 3 8 87 0 5 2 0 1 6 0 1 1 0 2 11 0 2 9 1 1 2 0 1 0 0 1 0 0 0 0 8 0 0 8 0 0 2 11 2 0 2 0 0 10 1 0 8 0 1 1 1 1 3 0 1 0 0 1 0 0 0 8 0 1 1 1 1 3 0 1 0 0 3 41 0 4 9 2 1 2 1 0 8 0 1 4	2 3 8 87 5 0 5 2 0 1 6 0 1 1 0 2 9 1 1 2 0 1 0 0 1 0 0 1 4 3 1 10 0 1 0 0 0 8 0 0 8 0 0 8 0 2 11 2 0 2 0 0 10 1 0 8 0 1 1 1 1 3 0 1 0 0 3 4 1 1 3 0 1 0 0 3 4 1 4 9 2 1 2 1 0 8 0 1 4	0 5 2 0 1 6 0 1 1 0 2 11 0 2 9 1 1 2 0 1 0 0 1 4 3 1 10 0 1 0 0 0 8 0 0 8 0 0 8 0 2 11 2 0 2 0 0 10 1 0 8 0 1 1 1 1 3 0 1 0 8 0 1 1 1 1 3 0 1 0 8 0 1 1 1 0 8 0 1 0 1 0 8 0 1 0 1 0 8 0 1 1 1 0 8 0 1 1 1 0 8 0 1 0 1 0 8 0 1 1 1 0 8 0 1 1 1 0 8 0 1 0 1 0 8 0 1 1 1 0 8 0 1 1 0 0 1 0 0 1 0 0 1 0 1 0 8 0 1 1 1 0 8 0 1 1 0 1 0 8 0 1 1 0 8

### No. 1,163.—HEWORTH.—CONTINUED.

	The same of the sa
Brought forward 1 5 11 131 1 68	Fa. Fa. In. Fa. Pt. In.
	Brought forward 2 0 0141 4 21
Past girdles 0 0 9	Whin girdles 0 1 9
Blue stone 0 3 2	Strong white post 1 2 9
Post girdles 0 0 10	Blue metal 0 1 3
Blue stans 0 3 4	COAL 0 1 3
Post girdles and metal	- 410
partings 0 3 2	Dark grey post 3 0 9
Grey post, mixed with	White post, inclined
whin 0 5 0	
Blue stone 0 0 5	
Strong white post 0 4 0	Strong grey post 0 4 3
Bine metal stone 0 4 5	White post 1 0 4
Low Main on Tyne,	Fire clay 0 5 6
Hutton Seam on	Blue metal, with iron
Wear (now working	girdles 1 2 0
	Strong fire clay 0 3 0
	COAL 0 0 3
COAL, coarse	- 917
and splint 0 31	Blue metal, with coal
COAL, fine. 4 1	pipes
COAL, bot-	Grey post, with whin
tom 0 9	7.0
- 0 5 2	
- 7 0 2	Strong grey post
Thill stone 0 0 10	White post, inclined
Strong grey post 1 1 5	to whin
Grey metal, with thin	Strong white post
-2.31	Beaumont Seam-
	Ft. In.
	COAL 1 11
	Fireclay band 0 11
Thill 0 1 9	
Blue stone 0 3 0	COAL 0 9
- 3 2 6	- 0 3 7
Strata sunk through	603
in deepening shaft	Fire clay 0 2 1
to Beaumont Seam,	Mixed grey post 3 5 0
1875-76 :	White post 1 4 0
Blue metal 1 2 0	COAL, with bands 0 2 3
	- 614
Grey shale post 0 4 0	
Carial Carred 9 0 0141 4 01	Total 167 2 44
Carried forward 2 0 0141 4 25	

### No. 1,164.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Bored in the Third Pit at Heworth, about 300 yards to the Northward from the Engine.

Sunk to the scaffold Box Blue grey metal	5	0	0	3		In. O	Brought forward Black metal	6	2	0	3	Pt. 0	In. O
Carried forward	6	92	0	3	0	0	Carried forward	6	3	0	3	0	0

### No. 1,165.—HOLBORN.—Corrected.

				Fa.				3	<b>P.</b>	<b>b</b> .	•	R. :	Ŀ
ight forward	1	0	7	36	5	v	Beinght hieward. White post	ž	. ]		×	3	1
<b>J</b>	0	O	7						-	Ξ			
al	0	0 2	5				Whise pine Xiv Min.						
<b>st</b>	0	0	4				1880	į	•	4			
tal and post							Parting	٠.	1	*			
	0	2	10				Whin	•	Ξ	ī			
al .	0	0	7				Grey metal, with past						
les	0	0	4				rirlies and water	•	:				
les le s parting	0	1	6				girdles and water White past, with water Parrier	1	3	4			
e parting	0	0	4				Parting	ŀ	1	<b>±</b>			
t (Nov. 25th,							Parting Wate post	i	Ξ	•			
	0	4	3				White Just Dec Inc.						
	0						1840	ı	:	:			
al and post	-	_					Blue partime	1	=	Ł			
	0	2	2				Blue stame, with thin						
al	Ŏ	Ō	6					ì	-	ī			
	Õ	0	4				Blac staine	j	ı	3			
	ŏ	Ŏ	3				ginens Bine seine COAL	i	-	1			
		Ŏ								_	4	<b>±</b>	Ξ
al		ŏ					Secret day	1	ı	-		_	_
st	ŏ	4	6				Great metal and most			-			
		õ					r-iles	1	•	1			
st		ŏ								_	1		=
••		ŏ									-	_	_
•••			_										_
ied forward	5	0	11	36	5	0	Tiest				<b>E</b>	1	•
TOT TOT MELE	•	•		~	_	•			••	_	_	_	£

### No. 1,166.—HOLBORN.

#### TOWNSHIP OF HOLDORY, MERLEL

Sheet 15 of Ordnance Map. Laz. . Long.

int of Strata bored through in Hollown Graups, indise West Keelige, by Thomas Wake. May. 1496.

Approximate surface level feet adore sea Commen facum .

	Ps.			Ps.	n E		Bengis freveri				Ps.		
	_							*	•	3	x	*	3
etal		5					Yellow post, with						
	0	0	8				THE	4	•	4			
				2	2 1	1	COAL	ij	• }	3			
l	0	0	3							_	b)	2	•
Ruler Coal							Bine stine, with yest					_	•
Mater ovar				Λ	1	•	ziriles	•		•			
	_	2	•	v	•	•		-	•	•			
l <sub>.</sub>	v	0	v				Sift netal, mixed with	_	_	_			
st	3	U	U				mal	ij	9	7			
post, with							Rue stone, with much						
	1	1	6				water	1	1	5			
ie	2	0	0				Strong white post,						
tal stone	0	2	0				with much water	4	4	æ			
al stone	ň	3	ň				Blue stone	ī	7	2			
	v	•	U				COAL T	I	1	9			
tal and post		^	^				COAL - Towneley						
	Z	U	U				Seam	0	4	1			
										_	10	4	10
						- '							
ed forward					4	8 ;	Total				24	0	0
_										E I	_		_

### No. 1,145.—HOLBORN.—COSYINUED.

Braght forward	Fe	R	la.	Fs.	R 5	le. 1/4	F. P. I	
	0	1	3	•	•	Ш	Brought forward 4 4	>
	9		11				COAL PLAN	
Yelsow stone	ő	ī	4				COAL 1 04	
White pret	-	_	_				Bend 0 2	
Grey metal	0	1	5				COAL 1 7	
White past	0	3	3				0 2 s	9
Bive stoke parting	9	0	4					_
White pat	0	1	7				Segar clay 0 1 (	6
Parting	9	0	1				P: 0 0	4
White past	9	4	4				Grey metal 0 1	0
Parting	0	0	2				Bine metal 0 0	6
White prat	Ű	5	7				COAL 00	1
COAL (Oct. 12th,								_
1540)	0	1	9				Seggar clay 0 1	5
ŕ				4	0	0		ŏ
Seggar clay	0	3	4					Ž
Grey metal	1	1	8					5
COAL	ē	ō	3					9
	_		_	1	5	3	D :	ĭ
<b></b>	_	_	_	-	_	•	~ ~ .	
Thill	0	1	1				•	·
Grey metal	0	3	9				COAL 0 104	
Hard metal	0	1	3					
Blue stone and post							Band 0 3	
girdles	0	5	1				COAL 1 2	
White post	0	1	8				0 2 :	3
Hard post	0	0	4					-
Parting	0	0	1				Thail 0 2	1
White post	0	2	10					6
Parting	0	ō	1				MIT A	ŏ
White post	ŏ	2	4				α ·	6
~ · · ·	ŏ	ō	4					
Grey metal	ŏ	3	4					U
	ŏ	ő	3				Blue metal and post	
Soft post	ŏ	ĭ	1				girdles (Oct. 31st,	_
Hard post		3	9				0 11	2
Blue metal	0	3	J					0
COAL (Oct. 17th,	^		_				Grey metal and post	_
1840)	0	1	9		-	_		5
	_		_	•	5	0		3
Tbill	0	1	4				White post, with part-	
Grey post	0	1	0				ings (Nov. 5th.	
White post	Ō	2	9					6
Hard post	Ŏ	ō	6				Strong white post 1 1	9
Grey metal	ō	4	5				White pest 0 2	0
White post	ŏ	ō	6					2
Whin	ŏ	ŏ	6				White post 1 1	2
	ŏ	ĭ	3					8
White post	U	•	•				COAL, with appear-	
Grev metal (Oct. 21st,	^	4	~				ance of splint at	
1840)	0	4	7 6				bottom (2 feet 7 in-	
White post	0	0	_				ches into coal Nov.	
Grey whin	0	0	7				7th, when rods got	
White post	0	1	8				fast; loosened Nov.	
Grey post	0	1	8				1 10/1)	
White post	0	0	2				19th) 0 3	4
Grey post	0	1	3				!	-
Blue parting	0	0	1					0
White post	0	2	8				Blue metal and grey	
Grey metal	0	2	0				post girdles 0 3	0
Blue metal	0	1	0					5
3 <del></del>	_	_	_					2
							1	_
Carried forward	4	4	5	17	4	1	Carried forward 1 0	7
Comment to wait	-	•	•		-	-	, ominatornata i U	•

### No. 1,165.—HOLBORN.—CONTINUED.

1 4 6					Ft.		Fs. Ft. In. Fs. Ft. Ir
rought forward				36	5	0	Brought forward 5 0 11 36 5
netal	0	0	7				White post 0 1 7
netal	0	2	5				White post (Nov. 28th,
post	0	0	4				1840) 0 0 6
metal and post							Parting 0 0 2
les	0		10				Whin 0 1 5
netal	0	0	7				Grey metal, with post
irdles	0	0	4				girdles and water 0 2 4
rirdle	0	1	6				White post, with water 0 3 6
tone parting	0	0	4				Parting 002
post (Nov. 25th,							White post 0 1 4
)	0	4	3				White post (Dec. 2nd,
netal	Õ	ō	10				1840) 0 2 2
metal and post	-	_					Blue parting 0 0 4
les	0	2	2				Blue stone, with thin
netal	Õ						girdles 0 4 5
	ō	ō	4				Blue stone 0 0 3
g	ŏ		3				COAL 0 1 0
•	ň	_	11				8 2
1	ň	ŏ					Seggar clay 0 0 7
	ň		6				Grey metal, with post
post	ŏ		1				
g	V		10				girdles 0 4 0
post	Ň						U 4 7
g	0	0	1				
arried forward	5	_	11	36	5	0	Total 45 5 8
arrieu iorwaru	•	U	TI	90	Ð	J	Total 45 5 8

### No. 1,166.—HOLBORN.

### TOWNSHIP OF HOLBORN, DURHAM.

Sheet 15 of Ordnance Map. Lat. , Long.

count of Strata bored through in Holborn Grange, below West Hedge, by Thomas Wake. May, 1696.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.				In.			
r post	1	3	0				Brought forward	9	3	6	2	4	8
metal	0	5	3				Yellow post, with						
L	0	0	8				water	0	4	6			
				2	2	11	COAL	0	0	6			
hill	0	0	3							_	10	2	6
L-Ruler Coal	0	1	6				Blue stone, with post					_	_
				0	1	9	girdles	2	4	6			
hill	0	3	0				Soft metal, mixed with						
ı post	3	0	0				coal	0	0	9			
post, with							Blue stone, with much						
er	1	1	6				water	1	1	6			
tone	2	0	0				Strong white post,						
metal stone		2	0				with much water	4	4	6			
netal stone	0	3	0				Blue stone		1				
metal and post							COAL — Towneley						
les	2	0	0				Seam	0	4	1			
											10	4	10
arried forward	9	3	6	2	4	8	Total			_	24	0	_ (
										E	E		

#### No. 1,167.—HOLBURN.

#### TOWNSHIP OF HOLBURN, NORTHUMBERLAND.

Sheet 15 of Ordnance Map. Lat. 55° 37′ 30″, Long. 1° 54′ 23″.

Section of the Pit at Holburn, sunk near the Old Windmill Shaft, just within Property. August, 1860.

Approximate surface level 450 feet above sea (Ordnance datum).

	Pa.	R	In	Pa Pa In.	Fa. Ft. In.
Freestone	6	0	0		Brought forward 11 3 0
Rine metal shale	1	1	0		Limestone 0 1 6
Hard freestone	0	3	0		Shale 0 0 6
Kine metal shale	0	4	0		Scremerston Seam-
Limestone	0	2	0		Pt. In.
Hipe metal or shale					COAL 1 8
Whin or hard free-					Blue metal 0 5
state	0	4	0	)	COAL 0 10
Blue metal	0	2	Ó	)	0 2 11
Limest ce	0	0	6	3	
Kite metal shale	0	2	0	)	Blue metal 0 0 10
Limes ne		3		)	Black stone 0 0 4
Blue metal	0	2	6	3	
Carried forward	11	3	0	)	Total *

<sup>•</sup> Approximate sea level 375 feet below this.

### No. 1,168.—HOLLAND BUSH.

TOWNSHIP OF

Sheet of Ordnance Map. Lat.

57

, Long.

Account of Boring at Holland B	Bush.	Commenced	November	18th,	1857
Approximate surface level	feet	above sea (C	ordnance d	atum)	

		Fx	R	In.	Pa.	n.	b.			Fa.	Ft.	In. I
Yellow chay		0	5	9				Brought	forward	1	1	7 1
		5	5	7				Grey metal		0	0	3
tirey metal		0						COAL	•		0	
				_	7	0	10	Dark grey me		0	0	8
Stran		0	1	2				Grey metal, w				
tirey metal with p	PH.							girdles		2	0	0
zirdke		2	5	10				Ū	Ft. In.			
		0	0	6				COAL	. 011			
		_			3	1	6	Band	. 0 2			
Grey metal		0	3	8				COAL	. 2 4			
White post	•••	0	3	11						0	3	5
												-
Carried forwar	a	1	1	7	10	2	4	Ca	rried for	War	d	ī

### No. 117 - BICISTR - WENT

<del></del>		
ABBARE quifteet Fl:		FTile
The state of the s	Breeze armer.	· ·
Lenner i i i	inch time and the	
A AND THE	BOAL TE COM	
rinnys I s f	COM AN TEST .	: •
i : =	The series	
<del></del>	SOME WITH STREET	
1 ± 1	THE STATE OF HIRE	: •
4 + 4	THE ROW, ALL THE	
1 : 1	THE INE	<b>:</b> •
को प्रोप्त होन	Ross for men.	Ξ.
rimmte 1 4 E	==a.	
THE BELL		
WILL DON'T		<del></del> ; . ₹
and the second s	_	
strimmin 2 F F	Race aut men.	
表 <u>等</u> : \$	MINE WILL DAS	• =
	.11 ST 30034	• 💂
a fra		
VIII.		
: <b>:</b>		
i I I		
• ፣ ١		
	_	
Carriel Servari 💢 1 🖂	2 cm	<u> </u>

<sup>·</sup> Lightermare on 1992 foll for more ton

### N. LIB-BRIVEL

THE PARTY IS BUTTON BUTTON TO

Sheet 52 of Orinnance May. Lat. Lan

REMEA	美克亚克克克
1 9	Brought Survey 1 1 1 1 1 1 1 1 1
	Sony annany year i i i i
1 3	Witte nest
	Will with water . 1 . 1
	Winter park
4 9 9	Green metal.
136	先生
0 1 0	COAL i i
	COAL VIA
Q 2 4	MATERIA THEFT
	21025
6	- : : 1
	•
13 I O	Times 2
,	1 9 1 9 1 9 1 9 9 0 1 3 6 9 1 9 1 9 1 9 0

### No. 1,170.—HOLMSIDE.

#### TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50′ 39″, Long. 1° 40′ 0″.

Second place bored on Holmside Common, about 400 yards to the South from the place. August 18th, 1754.

Approximate surface level 525 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Pa.	Pt.	In.		Fa.	Pt.	In P
Soil and stony clay							Brought forward			9
Gravelly clay, mixed							Grey and blue metal,			
with sand and water	1	2	0				with girdles or cat-			
Strong stony clay							heads and scares of			
Grev and brown							coal	1	4	0
ramble, mixed with							Black grey metal stone,			
stony clay	0	4	0				with girdles or cat-			
Stony clay	2	3	6				heads	1	1	0
•				7	0	6	Gritty strong grey			
Grev and brown scamy							post, mixed with			
metal	0	3	0				whin	0	1	4
Grev and blue metal,							Black grey metal stone	0	1	
with girdles or cat-							Whin	0	0	7
heads	1	0	0				Blue and grey metal			
Grey metal stone, with							and metal stone,			
water	0	2	6				with post girdles or			
Grey post	0	1	0				lumps	2	0	0
Pt. In.							Ft. In.			
COAL 0 11							COAL 3 0			
Grey metal,							COAL, foul			
mixed with							or coarse 1 11			
coel 0 5							<u></u>	0	4	11
	0	1	4							_ (
	_		_	2	1	10	In strong black grey metal			
							IIICOM			
Carried for	Wal	rd		9	2	4	Total			•1
	• /	A non	POT	ime	ta e	on lo	vel 430 feet below this.			=

### No. 1,171.—HOLMSIDE.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50′ 46″, Long. 1° 40′ 25″.

Account of the Boring in the third place on Holmside Common, about 500 yards
South-west from the first place. September 17th, 1754.

Approximate surface level 660 feet above sea (Ordnance datum).

Soil and stony clay Brown and blue	Fx.	P1. 2	In. 0	Fa	Pt.	In.	Brought forward Grey, brown, and blue	<b>Fa.</b> 0	Ft. 5	In. Fi
rambly metal	0	3	0				metal and metal stone, post girdles or lumps and water	4	2	0
Carried forward	0	5	0			i	Carried forward	5	1	0

### No. 1.174.—HOLYVELL—Corner.

Brought forward	FL	T.	-	75	7-	<u>:-</u>	3		₽.	'n			
	I	+		÷	-	-	Brant frant		,			•	•
ng white post, with							كه و مثله لا شار شيخ	_					
ster	3	3	•				ALTER ALTER	•	<b>:</b>	1			
ong whin	0	Ţ	- 0				T12 3 4	•		4			
ite post	1	-0	ુ					L					
AL	ē	0	3				COAL :	•					
	_			-		<u> </u>	Elie peta.	;					
ite post	0	1	÷	-	_	_	CCAL :	í					
v post	:		ڼ					. ,	3	•			
ong white p et .	2	3	ز					_				_	:
ck metal	1	5	.}				<del>는 - 1</del>				•	ŀ	•
	ü						•						
	_	_	_		Ş	ว้							
							_				_	_	_
Carried forward				14	5	÷	<u></u>		•-		_P'_		

### No. 1.173.—HOLYWELL

#### TOWNSHIP OF ELLIPTIC PURITHURSHILLTS.

Sheet SI of Opinance Map. Lan.

Approximate surface level — feet alove wa devinance datum .

Bored at Holymell, chief 15 gards North of Takes a Hole. July 27%.

Soil and sandy channel	Fa	P.	Ŀ	7L	P.	Ŀ	Brought forward	h	R	7-		R	_
and water	ô	3	5				COAL BIEN WIR				•		•
White post	Û	4	3				MINES HALT THEM	3	9	4			
UPPT SCAME STONE	0	1	خ				Blank sare metal	•)	٠,	3			
White and grev post, with metal partings							COAL I'ni Black and grev metal.	÷	•	4			
and some small sip-							mixed vita mel	9	ij	5			
ings of water	3	0	9				COAL, with water		ij				
urer metal and part-								_		_	9	2	2
	0	3	0				In grey metal				9	0	6
	_		_	5	0	5							
Carried for	Wal	rd		5	0	<u>.</u>	Total				5	3	-
											=	_	=

#### No. 1.178.-HOLYWELL

#### TOWNSHIP OF HOLTWELL, NORTHCHERLAND.

Sheet 81 of Ordnance Map. Lat. 55" 3" 44". Long. 1" 30' 11".

Boring to the Low Main Seam, in the Quarry, about 50 yards West of Holywell Bridge. July, 1:38.

Approximate surface level 50 feet above sea (Ordnance datum).

Post stone -70 Fa-					Pt. In.	Brough	ht for	ward	Pa.	n. 2	In. 7	Fa.	Pa II	0
thome Post	5 0 0	0	8 2 10 9	5	0 10	Grey metal Post girdle Grey metal Post girdle Blue metal			0	2 2 1 0	5 6 11 11		•	•
		2	7	5	0 10	Carried				4	4	5	0 1	-0

#### No. 1,173,-HOLYWELL.

#### TOWNSHIP OF HOLYWELL, NOBTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

### Bored in the Quarry Close, at Hallowell (or Holywell) West Field House.

Approximate surface level feet above sea (Ordnance datum).

D.H	-	Ft.		Fs.	Ft.	In.	Fa. Ft. In. Fa Ft. In.
Soil	2	-	4				Brought forward 13 2 1 6 0 2
Stony clay		0	8 2				COAL 0 9
Soil, with beds of clay	0	4	2				COAL, foul 0 2
Sand and gravel, with	-	4	0				- 0 0 11
water		1	6				
Brown post		1					Grey metal 0 2 0
Grey post	3	3	0				
Grey metal stone and	*						
post girdles	0	4	10				
COAL, foul, with	-		-				Strong white and grey
bands of metal	0	2	2	-			post, with water near the bottom 8 0 9
	-	-	-	6	0	2	Blue metal 0 0 3
Grey metal	0	Đ	4				
Grey girdly post and			-				COAL, with a
metal partings	1	3	0				small lump or
Grey post, with water	4		0				band at 29 in. Ft. In.
Whin	0	0	8				from the top 3 10
Black metal, with	-	-					Grey metal, mixed
scares of coal		-	6				with brass 0 4
Grey metal			4				COAL 0 2
Grey post	0	3	0				Black metal, with
Whin	0	0	3				a mixture of
Grey post, with metal	-	-	-				coal 0 3
partings			0				COAL, coarse 0 7
Whin	0	1	0				- 0 5 2
Grey post, with metal	-	13					11 1 f
partings	1	0	9				Black metal 0 0 4
Dark blue and grey							In grey metal 0 1 2
metal	2	1	3			_	016
Carried forward	12	2	1	6	0	2	Total 31 0 :

### No. 1,174.-HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Account of a Boring at Holywell, in the year 1738.

Approximate surface level feet above sea (Ordnance datum).

White post	Fs. Ft. In 4 0 0		Ft. In	1.	Brought forward	Fs.	Ft.	In.		Ft. In. 1 10
Grey stone	1 0 0				Grey thill Grey stone	2	0	9		
		_	1 10	-	Strong whin	_		-	_	-
Carrie	d forward	5	1 1	0	Carried forward	2	4	11	5	1 10

### No. 1,176.-HOLYWELL.-CONTINUED.

Brought forward	Fa.	Ft.		71 3 0	Brought forward 3 0 5 71 3 0
Grey metal stone and whin girdles Grey metal stone, with	1	0	9		Low Main Seam— Pt. In. COAL, foul 0 2
post girdles Black stone	1 0	5	3 5		COAL 2 81 0 2 101
					In grey metal 3 3 3 3 7
Carried forward	3	0	5	71 3 0	Total 75 3104

### No. 1,177.-HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored in Holywell Royalty, 300 yards West of Green's Farm House.

Approximate surface level feet above sea (Ordnance datum).

The second second second	0	1 0	6	A. B	t. In.	Post and with	ught for whin gir partings	rdles,				Pa. 19	Pt. O	In. O	
Blue gravelly clay		2	6						_	2	4				
Brown broken post Grey metal	0	1				Grey me	Ca.l	X8+	2 0	0	6 8				
Brown broken post		5				COME	***	- 174	_	-	_	13	2	6	
Grey metal	0	2	9			Whinny	post	100		0	5		7	7	
White post			0			COAL	1100	10	0	0	4		-	-	
Light grey metal  Dark grey metal			6				- ALIN		0	0	3	0	0	- 0	
COAL, mixed with	v		0				- M		- 0	0	9				
black stone	0	0		0	i.			rilles,	0	3	4				
Grey thill Light grey metal, with	0	5		9				lings	1 0	0					
girdles Post and whin girdles,	0	4	6						000	13	0				
with metal partings	1	2	6					off off							
Whin White post, with water									0	2	-		6	8	6
and partings	5	3	0									-	_		
Carried forward	8	5	0									- 21	15	0	-
Nothing sati	sfa	ctes	91								this				

### No. 1,174.—HOLYWELL.—CONTINUED.

Fa. Ft. In. Fa. Ft. In. Bernought forward 3 4 4 5 0 10	Brought forward 45 1 7
Black some I I 9	
COAL	Grey metal 0 0 7
	free and white post 2 4 2
509	Grey metal stone and
eng tina april demand 0 3 3	whin girdles I 4 4
ner post and metal	COAL—Yard Seam 0 2 10
partings 9 3 6	4 5 H
nc-Kan Put 2 0 3	Grey metal 0 4 0
8 3 9	Black metal and iron
Fyk Mas Iom-	· #
COAL, many	Grey metal stane I 4 0
se due de la company	Dark grey metal and
SINE THERE P. St.	
render 5 3	eoel 0 2 0
render 5 3 Nord 0 3	Grey metal stone and
COAL grand I 3	black scares I 0 9
	Grey metal stone and
	strong post girdles 5 2 8
COALintim () 6	Black staine 0 1 9
— I 2 3	Bensham and Six-
—— II 2 5	Quarter Seame—
turning matismasi by	_
Ture R. Muchime,	COAL, ford 0 6
<b>少元 3 (株 19型:−</b>	COAL TY
reg metal 0 I 2	COAL I IO
COAL, SINL mixed	COAL, fool 0 5
vin metai 0 3 0	Dark grey
	metal 1 7
·	COAL 1 10
irry metal 0 4 9	Grey metal 3 0
ing nemi same and	COAL 0 2
post zirdles 600	1 3 4
tring viite pest and	11 1 9
TIGHT	
COAL—Yadi Cud	Grey metal stone, with
Seems 5 3 6	strong ironatone
<u> </u>	zrde 2 3 7
9 3 3	Wain 0 2 4
Erming Seine Comi-	Grey and white post 1 0 6
Mark metal. P. In.	Grey metal and iron-
vira mei : 6	stante zirdles 1 1 8
COAL scring	COAL 0 0 3
	Grey metal stone, with
	csel 0 0 5
<u>0 2 5</u>	
_	Fice-Quarter Seam—
Ette metal stone and	P. h.
ுவலைய ஜ்ஜின் 🤰 🛊 🖟	COAL 2 4
Grant 100 S	COAL 2 4 Grey metal 1 2
Vini. vini. paraings	COAL 1 4
and water 0 2 0	0 <b>4</b> 10
White and grey post 2 0 0	<del></del>
error white wat 1 2 6	
Grey metal stone and	Grey metal stone and
irrustrue girdles 1 2 7	white post girdles 0 5 6
P. h.	Strong post and whin
COAL 05	<u> ಕ್ಷ್ಣಾರ್</u> ಟ್ 0310
COAL, zisai	Grey metal stone and
with metal 0 2	whin girdles 2 0 8
	COAL 0 0 2
Dark metal 0 6 COAL 0 9	3 4 2
COAL 0 9 0 2 0	3 7 2
$\phantom{00000000000000000000000000000000000$	
J I J	<del></del>
	Carried forward 71 3 0
Carried forward 45 I 7	• •

<sup>•</sup> Approximate sea level (Ordnance datum).

### No. 1,176.—HOLYWELL.—CONTINUED.

Brought forward Grey metal stone and	Ps.	Pt.	In.	Fs. Ft. In. 71 3 0	Fs. Ft. In. Fs. Ft. In. Brought forward 3 0 5 71 3 0 Low Main Seam—
whin girdles Grey metal stone, with	1	0	9		COAL, foul 0 2 COAL 2 81
post girdles Black stone	1	5 0	3 5		COAL 2 81 0 2 101
					In grey metal 3 3 31
Carried forward	3	0	5	71 3 0	Total 75 310}

### No. 1,177.—HOLYWELL.

#### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

### Bored in Holywell Royalty, 300 yards West of Green's Farm House.

Approximate surface level feet above sea (Ordnance datum).

0.11				Fs.	Ft.	In.	Fa. Ft. In. Fa. Ft. L
Soil	U	Ţ	U				Brought forward 8 5 0 19 0
Gravelly sand and	_	_	_				Post and whin girdles,
water			6				with partings and
Blue gravelly clay	11		6				water 224
Brown broken post			0				Grey metal 2 0 6
Grey metal	0	1	10				COAL 0 0 8
Brown broken post Grey metal White post Light grey metal	2	5	0				13 2 ·
Grey metal	0	2	9				Whinny post 0 0 5
White post	0	2	0				COAL 0 0 4
Light grev metal	1	4	2				0 0
Dark grey metal	0	1	6				Grey posty thill 0 0 3
COAL, mixed with			-				Whinny post 0 0 9
black stone	0	0	9				White post girdles,
		_		19	0	0	with metal partings 2 3 4
Grev thill	0	5	0		-	_	Whin 1 0 0
Light grey metal, with	•	•	•				Grey metal 0 0 11
girdles	0	4	6				White post 0 4 0
Post and whin girdles,	•	-	·				Whin 0 3 8
with metal partings	1	9	6				White post (left off
1771 •	^	2	ŏ				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
White post, with water	v	_	v				here) 0 2 6
	E	•	^				0 0
and partings	J	0	0				
Carried forward	8	5	0	19	0	0	Total 38 0

Nothing satisfactory got in this hole; supposed to be upon a trouble.

F F

### No. 1,178.—HOLYWELL.

### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

### Sheet 81 of Ordnance Map. Lat.

, Long.

### Bored in the second place in Holywell Royalty. March 11th, 1824

Approximate surface level feet above sea (Ordnance datum).

										•
e 3				Fs.	Pt.	in.	D		Pt.	
Seil		1	0				Brought forward		5	
Brown clay	0		0				Grey metal stone	0	2	0
Blue gravelly clay	3	2					Grey metal stone, with	^		
Blue leafy clay		0					post girdles	0	3	8
Blue gravelly clay	2	2	6				White post girdles,	,		
Blue leafy clay	0	Z	О				with cashy partings	1	4 3	6
Blue strong gravelly	~	,					White post	0	3	0
Cras	7	1	6 2				Grey metal stone, with	^		
Grey metal	-	0	_				girdles	0	3	2
COAL	U	0	Ð				Blue stone		3	0
				14	0	7	Black stone	1	1	8 5
Grev metal	0	1	10				COAL	0	U	Ð
COAL		ō	-					_		-
	•	~		_	_	_	Grey thill	O	1	5
				0	2	8	Strong grey post	ĭ		4
Grey pasty thill	0	2	3				White post	ō		6
White post	0	5	6				Strong brown whin	ŏ	3	8
Scamy grey metal							White post — Mais	·	•	٠
stone, with post							Post	9	1	8
girdles and whin							1	v	-	٠
civers	3	1	0				High Main Seam-			
Grev metal		2					Ft. In.			
Grev metal stone, with	_						COAL 5 4			
girdles	1	0	5				Swad 0 3			
Black stone.							COAL, ground 1 9			
mixed with Pt In							Grey thill 0 6			
coal 0 3							COAL, bot-			
Grev metal 0 10							tom 2 6			
COAL, fool 0 6								1	4	4
Grev metal 0 3							1	1	7	7
COAL 0 5								_		
	0	2	3				1			
				_	1	9				
				6	1	J				
Dark grey thill stone	0	5	6				1			
White post, with whin							1			
clvers and water							1			
partings at top	6	5	6				1			
	_									
Carried forward	7	5	0	20	5	0	Total		•••	
							•			*

### No. 1,179.—HOLYWELL.

#### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

# No. 3 Borehole on the Holywell Estate, N. 44 E. from Borehole No. 2. February 7th, 1825.

Approximate surface level feet above sea (Ordnance datum).

0			Fa.	Ft.	In.	Fa. Ft. In. Fa. Ft. In.
		- ()				Brought forward 11 1 1 17 4 5
	5					Dark grey metal, with
5	ň	ň				
ĭ	ĭ	×				girdles 1 2 6   Black metal 1 3 10
		U				
		^				Ft. In.
3	z	U				COAL 1 2
_	_	_				Metal 0 1
3	0	0				COAL 0 2
0	2	0				0 1 5
1	1	9				<del> 14 2 10</del>
1	0	9				Grey thill 0 3 6
						Post 1 4 0
1	0	6				Whin 0 2 0
ō	ĭ	6				White post, with part-
•	-	٠				ings, whin clyers,
						and water 6 4 11
						High Main Seam—
^	^					Ft. In.
U	U	ΤŢ			_	COAL 5 2
		_	17	4	5	Dark metal 0 21
0	5	0				COAL, ground 1 10
						Grey thill 0 10
0	4	9				COAL, bottom 2 6
						1 4 6 <del>1</del>
6	5	4				11 0 111
_	1	6			•	Grey thill 0 1 2
•	-	•				1 0103 11111 111 111
9	2	ß				
	~					
11	1	1	17	4	5	Total 43 3 41
	1 3 3 0 1 1 1 0 0 0 6 0 2	3 2 3 0 0 2 1 1 1 1 0 0 1 0 0 0 5 0 4 6 5 0 1 2 2	1 1 0 3 2 0 3 0 0 0 2 0 1 1 9 1 0 9 1 0 6 0 1 6 0 1 6 0 4 9 6 5 4 0 1 6 2 2 6	3 2 0 3 0 0 0 2 0 1 1 9 1 0 9 1 0 6 0 1 6 0 0 11 0 5 0 0 4 9 6 5 4 0 1 6 2 2 6	1 1 0 3 2 0 3 0 0 0 2 0 1 1 9 1 0 9 1 0 6 0 1 6  0 0 11 0 5 0 4 9 6 5 4 0 1 6 2 2 6	1 1 0 3 2 0 3 0 0 0 2 0 1 1 9 1 0 9 1 0 6 0 1 6 0 1 6 0 4 9 6 5 4 0 1 6 2 2 6

### No. 1,180.—HOLYWELL.

#### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 2' 48", Long. 1° 31' 9".

Account of Strata sunk through at Holywell. 1828.

Approximate surface level 190 feet above sea (Ordnance datum).

	Fs. Ft. In. Fs. Ft. In. 0 1 0 1 0	Brought forward Sand and gravel, with	Fs. Ft. In. Fs. Ft. In 3 2 0
Brown clay	2 1 0	water Loamy clay	0 3 0 0 3 6
Carried forward	3 2 0	Carried forward	4 2 6

### No. 1,189 .- HOLYWELL .- CONTINUED.

	Fr.	PL I	_	Pt.	PL I	In.	Parken
Brought forward	9		6				Beought forward 0 3 0 23 0 7
Sand, with water -	0		5				Grey metal, with post
Blue gravelly clay _	3		0				girdles 0 4 4
Somy grey post	0	3	0				COAL 009
Blue metal and post							121
gintles	0	21	1				Strong grey thill
Blue metal, with iron-							stense 0 5 0
stone girdles	0	1	0				White post 1 3 7
COAL	0	0	7				Strong grey metal,
	_	_	-	2	0	6	with post girdles
Grey thill	1	0	4				and water 2 5 10
COAL, mixed with							Black stone 0 2 11
black stone	0	1	1				COAL 0 0 4
	_	_	-	1	1	5	Grey metal 0 1 0
Thill	0	1	2				COAL 002
Blue metal, with post		7					6 0 10
girdles	0	5	2				Grey thill 0 1 8
A girdle of petrified	100	-	7				Blue metal, mixed   0 4 10
shells	0	0	4				with post (0 4 2
Grey thill stone		11					Strong white post,
Grey metal stone, with	-	-	-				with whin and
scares of post	0	3	6				
White post, with whin		-	~				Blue metal 0 2 6
and metal partings	2	5 1	0				COAL 0 0 3
Blue metal	õ	1					905
COAL	0		7				0 1100 0 1 0
	~		•	5	1	8	Post girdles and metal
Grey thill stone	1	1	7				
Dark grey metal stone	2	1	2				71 1 4 0
COAL	ő	0 1					2011
COAL	0	0 1		3	3	7	COAL 005
Dark grey thill	1	0	2	0	0		Strong grow thill stone 0 9 0
	2	0					Strong grey thill stone 0 2 0
Scaling grey post	0	4					White post, with whin
Blue metal	0		8				and water 11 0 2
COAL	0	0	0	0	5	K	COAL—High Main
Commattee	0	9	0	3	D.	9	Seam 0 5 5
Grey thill	0	3	0				12 1 7
Carried forward	~	0	~	00	^	17	m-1-1 50 111
Carried forward	0	3	0	20	0	1	Total 56 4 11

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,181.—HOLYWELL.

### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Strata sunk through in the Algernon Pit, Holywell Colliery. March 30th, 1853.

Approximate surface level feet above sea (Ordnance datum).

1.00			0	0	6	Fs. Ft. In.	Brought forward Blue gravelly clay Leafy clay	2	3	6	Fs.	Ft	In.
Carried	forwar	d	2	1	6		Carried forward	4	0	6			

### No. 1,183.—HOLYWELL.

#### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

t of Boring in Bates Pit, East Holywell, from the High Main Seam to the Low Main Seam. July 19th, 1865.

Approximate sea level feet above sea (Ordnance datum).

post	Fs. 6		In. O	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Pa. 41	Pt. 3	
t		4					Grey shale	6	4	0		٠	٠
Metal Coal	٠	-	٠				Bensham Seam-	·	-	•			
	0	3	0				Ft. In.						
	_		_	13	3	9	COAL, foul 2 2						
	2	0	3				Grey shale . 0 10						
	1	2	0				COAL 1 8						
e	2	2	ŏ					0	4	8			
	3	0	0								7	2	8
	2	4	6				Black shale	0	0	11			
ale, mixed							Shale	3	0	0			
al	0	3	0				Whin girdle	0		10			
	1	3 3 2	0				Shale			10			
h girdles	2	3	3				Black shale	0	0	5			
Yard Seam	0	2	9				COAL (a little grey						
				16	2	9	stone, 3 in.)—Five-	_	_	_			
9	4	4	8				Quarter Seam	0		9			
•••	1	4	4				Into grey shale	0	0	8	_	_	
•••	3	5	6					_	_		6	1	
•••	0	2 3	0										
•••	0		2										
•••	0	1	6										
	_		_	11	3	2	<b>;</b>				_		
Carried for				41	3	-8	Total				55	7	-

### No. 1,184.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 6", Long. 1° 30' 45".

of Strata sunk through in the D Pit, East Holywell Colliery. Commenced October 5th, 1872.

Approximate surface level 126 feet above sea (Ordnance datum).

 be clay	0	3 4	0	Fs. Ft. In.	Brought forward Sand, with a little water	3	2	0	Ft. I	- n.
ke a rward	3	2	0	1	Carried forward	8	2	6		

### No. 1,182.—HOLYWELL.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fa. 34	Ft.	In 6	Brought forward	Fs	F		Fa. 72		
Grey thill	0	2		-	-		Thill stone	0	0	6		9	0
Strong white post,							Thill stone Grey post	1	4	0			
with whin clyers							Blue stone (walling here)						
and water	8	1	0				here)	2	0	0			
Blue metal, with post							Grey post, with metal	7	-				
girdles	0	5	4				partings	0	5	8			
COAL-High Main							White post, mixed	0	0				
Seam (got May 1st,	ò	5	4				with whin		0 3	5			
1839)	-	5					Blue metal Black stone	0					
Swad	_			10	2	6	Bensham and Six-		O	0			
Sunk further, to Low					-		Quarter Seams-						
Main Seam, Jan.							Ft. In.						
10th, 1860 :- Ft. In							COAL 2 4						
10th, 1860:— Ft. In. COAL, foul 1 9							COAL 2 4 Band 0 7						
Thill stone 0 9							COAL 1 8						
COAL, foul 2 4			-				-	0	4	7			
-	0	4	10	-	1/4	10		-			15	0	11
	_	-	-	0	4	10	Thill stone	0	1	7			
Blue metal	3	0	0				Grey post and whin		-				
Grey metal (walling							girdles		5				
3 fms. 3 ft. 10 in.							girdles Grey post Whin girdles		2				
into top of this grey	9	3	0				Gran matal with mat	0	2	10			
metal)	0	1	0				Grey metal, with post	1	9				
Post girdles Grey metal White post	2	î	7				girdles Black stone coal Black stone band	0	3				
White post	2	4	Ó				Black stone band	0	0	11			
COAL - Metal Coal			8				The state of the s	0	0	11			
Seam	0	3	0				Five-Quarter Seam-	*	-	-			
100	-	-	-	11	0	7	Ft. In.						
Thill stone	0	3	0				COAL 1 6						
Blue metal, with iron-	-						Black stone 0 11						
stone girdles	2	3	0				COAL 2 0	7					
COAL-Hartley Ston	8							0	4	5	-	-	-
Coal	0	2	4	3	2	1	min stars	-		-	5	5	1
Thill stone	0	4	6	0	2	9	Thill stone	0	1	0			
Thill stone Blue metal, with iron-	0	4	0				Grey post, with metal	1	0	0			
stone girdles	3	4	0				Whin girdles	0	1	0 2			
Grey metal, with post	0	-	0				partings Whin girdles Grey post		2	2			
girdles	0	4	0				Blue metal, with iron-	,	-	-			
Post stone, with metal			100				stone girdles	1	3	0			
partings and coal							Black stone						
pipes	0	5	0				Grey metal		3	9			
Blue metal, with post	100	3	-				Grey metal, with grey						
girdles	2	1	8				post girdles	0	3	6			
Ft. In.							Low Main Seam-						
COAL 0 2							Ft. In.						
Band 0 7							COAL, grey 0 5						
COAL 2 0	Ó	2	0				COAL 3 11						
	0	-	9	8	3	11		0	4	4			
Chill stone	1	1	0	0	0					-	5	3	1
Thill stone Blue metal (walling	-	-	0				Thill stone	0	5	0			
2 fs. 0 ft. 9 in.)	0	3	0				Grey metal	0		0			
Grey post	1	4	0				Post	0	4	0			
Blue metal	0	4	4				Grey metal	0	1	3			
Dine meear	1000	60	0				Post stone	0	2	9			
COAL-Yard Seam	0	2	0				The second secon				in	-	-
COAL—Yard Seam	0	2	-	4	3	1		-		-	2	5	0

### No. 1,183.—HOLYWELL.

#### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

ount of Boring in Bates Pit, East Holywell, from the High Main Seam to the Low Main Seam. July 19th, 1865.

Approximate sea level feet above sea (Ordnance datum).

															_
						Fs.	Ft.	In.		Fs.	Ft.	In.			
and p		•••		2	0				Brought forward	_		_	41	3	8
? post			6	4	9				Grey shale	6	4	0			
.L1	<b>Metal</b>	Coal							Bensham Seam—						
1772	• • •		0	3	0				Ft. In.						
			_			13	3	9	COAL, foul 2 2						
			2	0	3				Grey shale . 0 10						
post			1	2	0				·COAL 1 8						
shale			2	2	0					0	4	8			
			3	ō	ō				l			_	7	2	8
			2	4	6				Black shale	0	0	11	•	_	_
· sha	le, n		_	-	٠				Shale	_	ŏ				
h coa			0	3	0				Whin girdle		ŏ				
n cou.		•••	ĭ	3	ŏ				Shale	2		10			
with	girdle		2	3	3				Black shale	õ	-	5			
L—I			ő	2	9					v	v	U			
·L—1	ara se	:um	U	Z	9	10	2	9	COAL (a little grey						
-1-1-			4	_		16	Z	B	stone, 3 in.)—Five-	^	•	0			
shale	•••	•••	4	4	8				Quarter Seam	0	3	9			
	•••	•••	1	4	4				Into grey shale	0	0	8	_		_
	•••	• • •	3	5	6				l .	_		_	6	1	5
۱L	•••	• • •	0	2	0										
	•••		0	3	2				i						
۱L		•••	0	1	6										
			_			11	3	2	ļ						
	Carrie	d for	war	d		41	3	-8	Total				55	1	9

### No. 1,184.—HOLYWELL.

#### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 6", Long. 1° 30' 45".

tion of Strata sunk through in the D Pit, East Holywell Colliery. Commenced October 5th, 1872.

Approximate surface level 126 feet above sea (Ordnance datum).

et	Fa. 0	Ft. 3	In. O	Fa. Ft. In.	Brought forward	Fs. 3	Ft. 2	In F	. Ft. In.
w clay ng blue clay	1	4 1	0		Sand, with a little water		0	6	
Carried forward	3	2	0		Carried forward	8	2	6	

### No. 1194-BOLTWILL-CONTINUE

				_				_					
	Ņ	P. 1		<b>.</b> 3	<b>-</b> 3	<u>.</u>		T.	R	1	h	R	_
	ţ	٠ .	ł				Bongic fie vant				37	2	3
Bue car with ime	_		_				COSL MAIN MA	_					
enne uniders	Ż	-	•				<b></b>	3		9	,		
<b>Sand</b>	1	-	1				PORT BROOK	4	•	•			
Bine way will take							Strey year.	3	•	•	)		
le:	2	-	1				Server metal.	1	1	9			
				-	ī	.4	Series 2005	5	4	4			
•				•	•		COAL-Maid Coal						
he time next	1	5	ı				Seems	•	3	6			
hit my me. viii								_			16	2	ın
une need perings	2	2	ì				Blenseit	4	0	6	_		
more with Burke	_	_					COAL - Same Cod	-	_	n			
grade nizet viza										_	0	2	E
*'un	ŀ	I :	Ł				Server	6	4	0	•	•	•
Por zinilea vila iliae	-	•					on nen sin poles	_	4	9			
netal terings	7	<b>3</b> :	ŀ				Wim	ō	ī	5			
COAL HATE	ŝ		ī				White year	ĭ	2	1			
COME SINTER	•	1	•				COAL	ô	ō	_			
			- 3	\$	2 1	<b>5</b> 5	COAL	•	v	5			
Segger day	4	3 :	3				£	_	-	_	4	0 1	Ц
July Sind June			ŀ				Segger	0	1	0			
	-	3					Piet	0	3	8			
Walle 3000		4					Kite meni	4	2	6			
Wain girlie							COAL	ø	2	0			
Exist Sing	4	2	_				_			_	5	3	2
Brian year	4		-				Segre	0	2	4			
	•	5 (	•				Piet ziele	0	1	0			
Arring white year,	_		_				Grey metal	0	4	6			
with whim halls	1	5	•				Wara gertie	0	0	6			
bering viite Altering	_	_	_				Grey metal, with iron						
grance	1	2 (	9				<u> </u>	1	0	6			
Being you, brong-							Wata	0	2	2			
oracion	ŋ		9				P:=	0	4	0			
Married year	4	"	Ż_			_	Grey metal, with iron						
Mary Same	٠ī	6	3				gertes	1	0	9			
COAL	6	91	1				COAL — Fard Seam	0	2	11			
				8	_	4	-			_	5	0	8
	_		_	9	5	4	Sezzaz	1	0	0			_
The street	ŋ	69	B				Grev metal	3	3	Ō			
White par girdle	0	1	5				Grev post	3	3	Ō			
King maral	Ú	0	6				Grey metal	Ō	5	4			
White par girlle	0	1	4				COAL — Benshem	_	_	-			
Blue meal laid out	-	-					Seam	0	2	4			
for walling)	0	1	6					<u> </u>			9	1	۵
Grey test	ĭ		ó				Seggar clay	1	0	0	•	•	u
Light bite metal		4	6				COAL-64 Seem	ō	ĭ	8			
Dark blue metal	•		6				l cons discussion	_		-	1	1	۰
	ō		ő				Grey metal	2	2	0	1	1	0
COAL	•	•	•		_	_			_				
			-	4	3	6	Grey post		3	0			
Harris .	Λ	1	0				Whin girdle	0	2	0			
Seggar Strong white post gir-	-5	-	•				Grey post	1	4	0			
dles and blue metal							Blue metal		3	1			
	2	2	6				Black stone	0	1	2	_	_	_
partings	_	4	ő				1			_	6	3	3
White post		5	6				Five-Quarter Seam-						
Whin							COAL 1 8						
White prot	2	2	9										
Blue metal	0	0	5				Seggar 1 0						
COAL—High Main	_	_	_				COAL 1 9	_		_			
Beam	0	5	5		_	-		U	4	5	_	_	_
	~		<b>-</b> 1	IO	8	7	1			_	O	4	5
		_	•		_	_							_
Carried for	WAI	rd	1	87	2	3	Carried forv	arc	1		86	5	3

<sup>•</sup> Approximate sea level (Ordnance datum).

### No. 1,184.—HOLYWELL.—CONTINUED.

Brought forward Grey metal, with iron girdles COAL White post girdles and grey metal partings Grey metal Black stone	3	3	10 2	86		In. 3	Fs. Ft. In. Fs. Ft. In.  Brought forward 7 1 1 86 5 3  Low Main Seam—  Ft. In.  COAL 0 01  COAL, splint 0 11  COAL, good 2 81  Coaly band 0 11  COAL, rather  coarse 1 31  COAL, coarse  and slaty 0 61
Carried forward	7	1	1	86	5	-3	0 4 9½ 7 510½ Total 94 5 1½

### No. 1,185.—HOLYWELL.

#### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3′ 1", Long. 1° 30′ 39".

An Account of the Strata sunk through in the Fenwick Pit, East Holywell Colliery, from Surface to Low Main Seam. Commenced to sink, April 21st, 1873; finished, March 10th, 1874.

Approximate surface level 140 feet above sea (Ordnance datum).

Outset 0 2 Soil 0 2 Red clay 3 0 Sand, with a little water 0 5 Strong blue clay 3 5	0 0	Brought forward 2 3 4 15 5 4  COAL 1 0  Seggar clay 0 6  COAL 0 4  0 1 10
Blue clay, mixed with boulders 2 3 Brown clay 1 3 Gravel bed 1 0 Strong brown clay 2 3	3 4	Thill stone 1 1 4 Post girdle 0 2 10 Grey metal 0 2 0 Strong white post(wallling crib) mixed 2 3 4
Freestone	0 11 1 4 1 0 3 6	with whin and water 1 3 8  Rough post, quartz, and whin 2 0 0  Seggar clay 0 1 0  Blue metal 1 3 0
Carried forward 2 3	3 4 15 5 4	Carried forward 9 5 2 18 4 6

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,185 .- HOLYWELL ,- CONTINUED.

Fa Ft In Fa Ft In	Fa Ft. In Fa Ft. In
Brought forward 9 5 2 18 4 6	Brought forward 0 2 1 64 3 0
Past girdles, with Mine	Blue metal, with iron-
metal parings and	stone 2 4 0
water 3 0 0	stone 2 4 0 Whin girdle 0 1 0
Dark blue metal (ring	Blue metal, with iron-
crit 0 1 2	stone girdles 1 0 10
erit) 0 1 2 Post girile 0 0 3	Ft. In.
Durk blue metal (mus-	COAL 0 9
ad bed) 2 1 0	Band 1 2
ad bed) 2 1 0 COAL, coarse _ 0 0 11	COAL 0 5
- 15 2 (	
Thill stone 0 2 0	Seggar clay 0 3 0 Grey post 1 0 0
Grey post (walling led	Seggar clay 0 3 0
had out) 1 1 3	Grey post 1 0 0
lind out) 1 1 3 Hue metal 0 0 10	Grey metal, with post
White post girdles,	girdles 1 1 6
with grey partings 6 5 1	Dark grey metal 0 4 0
Grey post 0 1 10	COAL-Furd Seam 0 2 7
Grey post 0 1 10 Post girdle 0 0 11	3 5 1
Blue metal 0 1 6	Thill stone 0 0 7
COAL-High Main	Grey post, mixed with
Seem 0 5 3	whin 1 4 0
	Blue metal 0 3 6
	COAL, coarse 0 0 3
Thill stone 0 0 3	Dark grey post, with
P. la	metal partings 3 3 8
COAL, coarse 1 9	White post 7 1 5
Thill stone 0 9	Blue metal 0 5 6
COAL, coarse 2 4	Beneham Seam-
- 0 4 10	Pt. In.
- 0 5	
Thill stone 0 1 6	Band 0 7
	COAL, tender 1 4
	72 - 3 6 43
timer metal inclined	Balid U It
Blue metal 1 1 0 Grey metal, inclined to root (crib hed laid	COAL 0 5
to post (crib bed laid	COAL 0 11 COAL 0 5
to post (crib bed laid here) 2 4 5	- 0 4 9
to post (crib bed laid here) 2 4 5	- 0 4 9 <del>1</del> 14 5 81
to post (crib bed laid here) 2 4 5	0 4 9½ Thill stone 0 2 0
to post (crib bed laid here) 2 4 5	0 4 9½ Thill stone 0 2 0 Grey post 0 5 6
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL—Metal Coal	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10  11 1 :	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with iron-	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with iron- stone halls 2 3 0 Black stone 0 1 4	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL - Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL - Hartley	Thill stone 0 2 0  Grey post 0 5 6  Black stone 0 0 2  Grey metal 1 3 0  Grey post 1 0 0  Whin girdle 0 2 0  Grey metal and post girdles 0 3 3  Post girdles 0 1 4  Blue metal and iron girdles 0 4 8
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10  Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0	Thill stone 0 2 0  Grey post 0 5 6  Black stone 0 0 2  Grey metal 1 3 0  Grey post 1 0 0  Whin girdle 0 2 0  Grey metal and post girdles 0 1 4  Blue metal and iron girdles 0 4 8  Five-Quarter Seam-
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL - Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone lails 2 3 0 Black stone 0 1 4 COAL - Hartley Stone Coal Seam 0 1 0 3 1	Thill stone 0 2 0  Grey post 0 5 6  Black stone 0 0 2  Grey metal 1 3 0  Grey post 1 0 0  Whin girdle 0 2 0  Grey metal and post girdles 0 1 4  Blue metal and iron girdles 0 4 8  Five-Quarter Seam— Ft. In.  COAL 0 1½
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 1 2 COAL — Metal Coal Seam 0 2 10  Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0  Thill stone 0 1 0  Thill stone 0 1 0  Thill stone 0 1 0	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL - Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL - Hartley Stone Coal Seam 0 1 0	
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 1 2 COAL — Metal Coal Seam 0 2 10  Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0  Thill stone 0 1 0  Thill stone 0 1 0  Thill stone 0 1 0	Thill stone 0 2 0  Grey post 0 5 6  Black stone 0 0 2  Grey metal 1 3 0  Grey post 1 0 0  Whin girdle 0 2 0  Grey metal and post girdles 0 1 4  Blue metal and iron girdles 0 4 8  Five-Quarter Seam- Ft. In.  COAL 0 1½  Thill stone 2 0  COAL 2 0  Black thill
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0 Thill stone 0 4 0 Blue metal, with ironstone balls 2 2 9	Thill stone 0 2 0  Grey post 0 5 6  Black stone 0 0 2  Grey metal 1 3 0  Grey post 1 0 0  Whin girdle 0 2 0  Grey metal and post girdles 0 1 4  Blue metal and iron girdles 0 4 8  Five-Quarter Seam—  COAL 2 0  COAL 2 0  Black thill stone 0 9
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL - Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL - Hartley Stone Coal Seam 0 1 0 Thill stone 0 4 0 Blue metal, with ironstone balls 2 2 9 Grey post (wedging	Thill stone 0 2 0  Grey post 0 5 6  Black stone 0 0 2  Grey metal 1 3 0  Grey post 1 0 0  Whin girdle 0 2 0  Grey metal and post girdles 0 1 4  Blue metal and iron girdles 0 4 8  Five-Quarter Seam—  COAL 2 0  COAL 2 0  Black thill stone 0 9
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0 Thill stone 0 4 0 Blue metal, with ironstone balls 2 2 9 Grey post (wedging crib laid) 1 2 0	Thill stone 0 2 0 Grey post 0 5 6 Black stone 0 0 2 Grey metal 1 3 0 Grey post 1 0 0 Whin girdle 0 2 0 Grey metal and post girdles 0 1 4 Blue metal and iron girdles 0 4 8  Five-Quarter Seam— Ft. In. COAL 0 1½ Thill stone 2 0 COAL 2 0 Black thill stone 0 9 COAL 0 4
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 1 2  COAL — Metal Coal Seam 0 2 10  Thill stone 0 1 10 Blue metal, with ironstone balls 2 3 0 Black stone 0 1 4  COAL — Hartley Stone Coal Seam 0 1 0  Thill stone 0 4 0 Blue metal, with ironstone balls 2 2 9 Grey post (wedging crib laid) 2 2 9 White post girdles 0 2 4	Thill stone 0 2 0 Grey post 0 5 6 Black stone 0 0 2 Grey metal 1 3 0 Grey post 1 0 0 Whin girdle 0 2 0 Grey metal and post girdles 0 1 4 Blue metal and iron girdles 0 4 8  Five-Quarter Seam— Ft. In. COAL 0 1½ Thill stone 2 0 Black thill stone 0 9 COAL 0 9 COAL 0 9 COAL 0 4 Band 0 2
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0 Thill stone 0 4 0 Blue metal, with ironstone balls 2 2 9 Grey post (wedging crib laid) 1 2 0 White post girdles 0 2 4 COAL 0 0 3	Thill stone 0 2 0 Grey post 0 5 6 Black stone 0 0 2 Grey metal 1 3 0 Grey post 1 0 0 Whin girdle 0 2 0 Grey metal and post girdles 0 3 3 Post girdles 0 1 4 Blue metal and iron girdles 0 4 8  Five-Quarter Seam— Ft. In. COAL 0 1 Thill stone 2 0 COAL 2 0 Black thill stone 0 9 COAL 0 4 Band 0 2 COAL 0 4 Band 0 2 COAL 1 6
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0 Thill stone 0 4 0 Blue metal, with ironstone balls 2 2 9 Grey post (wedging crib laid) 1 2 0 White post girdles 0 2 4 COAL 0 0 3	Thill stone 0 2 0 Grey post 0 5 6 Black stone 0 0 2 Grey metal 1 3 0 Grey post 1 0 0 Whin girdle 0 2 0 Grey metal and post girdles 0 1 4 Blue metal and iron girdles 0 4 8  Five-Quarter Seam— Ft. In. COAL 0 1½ Thill stone 2 0 COAL 2 0 Black thill stone 0 9 COAL 0 4 Band 0 2 COAL 1 6  COAL 1 6
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0 Thill stone 0 4 0 Blue metal, with ironstone balls 2 2 9 Grey post (wedging crib laid) 1 2 0 White post girdles 0 2 4 COAL 0 0 3	Thill stone 0 2 0 Grey post 0 5 6 Black stone 0 0 2 Grey metal 1 3 0 Grey post 1 0 0 Whin girdle 0 2 0 Grey metal and post girdles 0 3 3 Post girdles 0 1 4 Blue metal and iron girdles 0 4 8  Five-Quarter Seam— Ft. In. COAL 0 1 Thill stone 2 0 COAL 2 0 Black thill stone 0 9 COAL 0 4 Band 0 2 COAL 0 4 Band 0 2 COAL 1 6
to post (crib bed laid here) 2 4 5 Grey post 1 4 0 Whin girdle 0 2 0 Grey post 2 2 10 White post 2 1 2 COAL — Metal Coal Seam 0 2 10 Thill stone 0 1 10 Blue metal, with ironstone halls 2 3 0 Black stone 0 1 4 COAL — Hartley Stone Coal Seam 0 1 0 Thill stone 0 4 0 Blue metal, with ironstone balls 2 2 9 Grey post (wedging crib laid) 1 2 0 White post girdles 0 2 4 COAL 0 0 3	Thill stone 0 2 0 Grey post 0 5 6 Black stone 0 0 2 Grey metal 1 3 0 Grey post 1 0 0 Whin girdle 0 2 0 Grey metal and post girdles 0 1 4 Blue metal and iron girdles 0 1 4 Blue metal and iron girdles 0 4 8  Five-Quarter Seam— Ft. In. COAL 0 1½ Thill stone 2 0 COAL 2 0 Black thill stone 0 9 COAL 0 4 Band 0 2 COAL 1 6  — 1 0 10½ — 6 4 9½

### No. 1,185.—HOLYWELL.—CONTINUED.

t forward		Ft.		Fs. Ft. In. 94 4 101	Brought forward		Ft.				
	0	0	6		Low Main Seam-						100
		0			Ft. In.						
*** -***	-		6	10	COAL, good 0 21						
	-				Splint 0 4						
*** ***			0		Splint 0 4 COAL, good 2 7						
					COAL, good 2 7						
		3	10		Danty band. 0 03						
and iron					COAL, coarse 1 0						
	1	1	0	1		0	4	24			
etal, with					The same of the sa	_		_	11	2	8
9	-	5	0		Thill stone	0	0	3			
	-				Grey metal, inclined	7	77	-			
	-				to post	0	1	9			
			10		Post girdles, with	v	*	. 0			
	-					-	N	-			
etal	-	2			whin and grey post	3	U	0	-	-	
***	0	0	3			_	-	-	3	5	-
forward	10	4	6	94 4 104	Total			1	10	0	7

### No. 1,186.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

red through in West Holywell Colliery, from the bottom of a Staple, 1,300 yards North-east from the Shaft. Begun August 5th, 1846.

Approximate surface level feet above sea (Ordnance datum).

of High Fs. Ft. In. Fs. F	Brought forward	Fs.	Ft.	In.	Fs. 14		In.
eam :—		0	2	0	12		
		0		5			
Ft. In.				-			
ottom 1 9	Strong grey post		4				
1 0 10	Whin	-	1				
ound 2 10	Grey post	0	0	7			
- 0 5 5	Dark blue metal stone	0	3	9			
0 3 7	White post	0 0	1	5			
stone, with	Dark blue metal	0	1	3			
post 3 2 10	White post	0	2	7			
	5 10 Grey metal stone and						
n or staple —— 4	post girdles	1	1	7			
stone, with	Blue metal and iron						
post 0 2 6	girdles	3	3	0			
stone, with	Black stone	250	0				
les 1 0 9	COAL, mixed with			-			
with metal	black stone	0	2	5			
and water 7 3 4	batca deone ,	_	-	_	9	1	2
— Ft. In.			-	-		~	
2 8	Grey thill		1				
tal 0 8	Grey post	0	3	2			
1 8	Blue metal and post						
0 5 0	girdles	0	5	8			
	5 7						
- 3		_	_	_	-		
Carried forward 14	5 5 Carried forward	1	2	10	94	0	15
Carried Ion ward	Carried forward		0	10		0	C

### No. 1180-HOLTWELL-CONTINUES.

	我我在我我在 [1] 11 11 11 11 11 11 11 11 11 11 11 11 1	Bringin fireward 4 1 4 4 1 4
Bring and the		François Sem
But new my new	- <b>-</b> •	P. In.
z: des	+ 1 2	COAL, sixy . 7 3
String ville yes	4 3 2 4 1 7	Dark grow metal 9 5
Bue neral	+ 3 4	COAL, CROSE I 7
COAL — Fort home		Dark engineeral 9 11
	3 3 4	COAL 9 4
C 45. 77		Derk grey mend 0 4
Gree aill	5 2 5	COAL, zeider 1 0
Por zede	4 4 6	- 0 4 10
Dark vive metal stone.	4 4 ***	5 0 2
Training and and	9 3 11	<del>िल्लु</del> केटी 006
Deri tita nasi sana.		Eine metal stane 0 2 6
The Figuresian Fr-	1 4 *	White peak 0 1 3
Alex Deer iina matri stana	1 6 7	Bue mend and post
Der ihr netti cene.	1 4 5	zirius 1 3 4
vità giriles Companies vet	1 9 5	Rine metal and post
Samy vails post. Vaid	1 3 2	z: des 0 2 7
Walli Uring white year.	7 4 <b>9</b>	Iruntane girthe 0 0 6
With while yes.	7 4 2	Each stone and cool 0 0 2
Put zir Les and metal	, <del>,</del> Z	Dark grey metal 0 0 3
	1 4 4	Kine metal and post
Fortuge		girdes 106
	· . •	Profe 0 0 10
Bersien Seen—		Whita 0 1 0
R k		Strong Man metal
COAL 2 0		stone and post gir-
Derk metal 1 3		des 0 5 11
COAL 1 5		Brack stree 0 0 4
	0 4 8	Low Mein Seem-
	15 2 10	Pt. Le.
George +1-57		Splint 0 4
	0 0 7	COAL, strong 1 10
Bire need and girdles		Dark metal and
Greg yest Dominist as and model	0 1 9	cost 1 0
Post ziron and metal	• ^ ^	COAL, tender 0 3
	2 0 0	0 <b>3</b> 5
Bine metal	9 3 3	5 5 :
Carried forward	4 1 4 43 1 0	Total 54 0

### No. 1,187.—HOLYWELL.

### TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3′ 28", Long. 1° 32′ 1".

Account of Strata sunk from Surface to Low Main Seam, West Holywell Colliery. Begun August 3rd. 1557; got coal June 4th, 1557.

Approximate surface level 140 feet above sea (Ordnance datum).

Soil 0 0 9 Brown clay 0 5 6 Blue gravelly clay 1 0 0	Brought forward 2 0 3 Loamy clay and sand, with water 0 5 8
Carried forward 2 0 3	Carried forward 2 5 11

### No. 1,187.—HOLYWELL.—CONTINUED.

ought forward	Fu. 2		In. 11	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. Brought forward 1 3 6 58 1
blue clay, with							Post seggar 0 4 6
tumblers	2	4	0				Strong white post,
		_					1
e metal	0	5	6				with whin clyers
ost	0	4	2				and water 7 4 0
whin	0	2	8				Grey metal 2 4 0
white post, with							White post 1 0 6
	7	1	0				( 4-1
clyers							Grey metal 1 1 3
etal stone	5	4	4				Bensham Seam—
tone	0	2	2				
	0	0	6				COAL 2 7
st seggar	Ŏ	2	5				
30 30 85 8 mi		5	4				Band 1 2
st	<u> { 1</u>		_		_		COAL 2 4
	10	2	8			•	
white post,							1 0 1
	_		_				10 0
whin clyers	5	2	0				15 5
netal stone	0	0	9				Post thill 0 2 0
—High Main							
-	1	0	3				Grey metal, with post
	•	٠	·	90	•		girdles 320
	_		_	30	1	8	White post 2 2 0
•••	0	0	9				
	0	0	3				Five-Quarter Seam-
d black metal	Ó	2	4				Ft. In.
	ŏ		8				COAL 0 3
		0					C4 0.10
	0	0	7				COAL
etal	2	3	0				COAL 0 1
grey metal,							Stone 1 3
							COAL 1 11
l with post and		_	_				Stone 0 9
e water	4	2	6				COAL
grey post, with							COAL 0 6
clyers	6	2	0				Stone 0 5
- Metal Coal	v	_	•				COAL 1 2
	_	_	• •				
•••	0	3	10				1 1 2
				14	3	11	<b>,</b> ,
thill	0	3	4				7 1
-Stone Coal	-	•	_				Seggar stone 0 2 6
	^		-				D1
•••	0	2	7	_			
	_		-				
			_	0	5	11	Post girdle 0 0 8
ill stone	0	3		0	5	11	Post girdle 0 0 8
	-	3	8	0	5	11	Post girdle 0 0 8 Grey metal, with post
tal	1	1	 8 0	0	5	11	Post girdle 0 0 8 Grey metal, with post and iron girdles 1 3 0
etal ost	1	1 0	8 0 0	0	5	11	Post girdle 0 0 8 Grey metal, with post and iron girdles 1 3 0 Blue metal 0 1 0
etal ost	1	1	 8 0	0	5	11	Post girdle 0 0 8 Grey metal, with post and iron girdles 1 3 0 Blue metal 0 1 0 Grey metal, with whin
tal ost etal	1 1 3	1 0 3	8 0 0 8	0	5	11	Post girdle 0 0 8 Grey metal, with post and iron girdles 1 3 0 Blue metal 0 1 0 Grey metal, with whin
tal ost etal	1 1 3 0	1 0 3 0	8 0 0 8 7	0	5	11	Post girdle 0 0 8 Grey metal, with post and iron girdles 1 3 0 Blue metal 0 1 0 Grey metal, with whin and post girdles 3 3 3
tal ost etal	1 1 3 0 0	1 0 3 0 3	8 0 0 8 7 9	0	5	11	Post girdle         0       0       8         Grey metal, with post       and iron girdles        1       3       0         Blue metal        0       1       0       0         Grey metal, with whin       and post girdles        3       3         White post        0       3       5
tal ost etal	1 3 0 0	1 0 3 0 3 0	8 0 0 8 7 9	0	5	11	Post girdle 0 0 8   Grey metal, with post and iron girdles 1 3 0   Blue metal 0 1 0   Grey metal, with whin and post girdles 3 3   White post 0 3 5   Grey metal and post
tal ost etal	1 1 3 0 0	1 0 3 0 3	8 0 0 8 7 9	0	5	11	Post girdle         0       0       8         Grey metal, with post       and iron girdles        1       3       0         Blue metal        0       1       0       0         Grey metal, with whin       and post girdles        3       3         White post        0       3       5
tal ost etal tal	1 1 3 0 0 0	1 0 3 0 3 0 0	8 0 0 8 7 9 6 5	0	5	11	Post girdle 0 0 8   Grey metal, with post and iron girdles 1 3 0   Blue metal 0 1 0   Grey metal, with whin and post girdles 3 3 3   White post 0 3 5   Grey metal and post girdles 1 0 0
tal cost etal etal etal estal estal	1 1 3 0 0 0 1 0	1 0 3 0 3 0 0 4	8 0 0 8 7 9 6 5	0	5	11	Post girdle 0 0 8   Grey metal, with post and iron girdles 1 3 0   Blue metal 0 1 0   Grey metal, with whin and post girdles 3 3   White post 0 3 5   Grey metal and post
tal ost ttal tetal ost ith water	1 1 3 0 0 0 1 0 0	1 0 3 0 3 0 0 4 3	8 0 0 8 7 9 6 5 0 2	0	5	11	Post girdle 0 0 8   Grey metal, with post and iron girdles 1 3 0   Blue metal 0 1 0   Grey metal, with whin and post girdles 3 3 3   White post 0 3 5   Grey metal and post girdles 1 0 0   Low Main Seam-
tal ost ttal ttal ost ttal ith water	1 1 3 0 0 0 1 0	1 0 3 0 3 0 0 4	8 0 0 8 7 9 6 5	0	5	11	Post girdle 0 0 8 Grey metal, with post and iron girdles 1 3 0 Blue metal 0 1 0 Grey metal, with whin and post girdles 3 3 3 White post 0 3 5 Grey metal and post girdles 1 0 0  Low Main Seam— Ft. In.
ost	1 1 3 0 0 0 1 0 0	1 0 3 0 3 0 0 4 3	8 0 0 8 7 9 6 5 0 2	0	5	11	Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3
ost	1 1 3 0 0 0 0 1 0 0 0	1 0 3 0 3 0 0 4 3 0 5	8 0 0 8 7 9 6 5 0 2 4 4	0	5	11	Post girdle 0 0 8
tal	1 1 3 0 0 0 0 1 0 0 0 0 0	1 0 3 0 3 0 0 4 3 0 5 3	8 0 0 8 7 9 6 5 0 2 4 4 3	0	5	11	Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3
tal	1 1 3 0 0 0 1 0 0 0 0 0 0 0 0	1 0 3 0 3 0 0 4 3 0 5 3 5	8 0 0 8 7 9 6 5 0 2 4 4 3 0	0	5	11	Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3  COAL, cannel 0 2½  COAL 4 11
etal  cost  cotal  cotal	1 1 3 0 0 0 0 1 0 0 0 0 0	1 0 3 0 3 0 0 4 3 0 5 3	8 0 0 8 7 9 6 5 0 2 4 4 3	0	5	11	Post girdle 0 0 8
etal	1 1 3 0 0 0 1 0 0 0 0 0 0 0 0	1 0 3 0 3 0 0 4 3 0 5 3 5	8 0 0 8 7 9 6 5 0 2 4 4 3 0				Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3 8  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3  COAL, cannel 0 2½  COAL 4 11  — 0 5 4½
tal	1 1 3 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 3 0 0 4 3 0 5 3 5 3	8 0 0 8 7 9 6 5 0 2 4 4 3 0 0	12	1	8	Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3  COAL, cannel 0 2½  COAL 4 11
etal	1 1 3 0 0 0 1 0 0 0 0 0 0 0 0	1 0 3 0 3 0 0 4 3 0 5 3 5	8 0 0 8 7 9 6 5 0 2 4 4 3 0				Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3 8  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3  COAL, cannel 0 2½  COAL 4 11  — 0 5 4½
etal  etal  netal  etal	1 1 3 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 3 0 0 4 3 0 5 3 5 3 5 3	8 0 0 8 7 9 6 5 0 2 4 4 3 0 0 — 4				Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3 8  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3  COAL, cannel 0 2½  COAL 4 11  — 0 5 4½
tal	1 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 3 0 0 4 3 0 5 3 5 3 5 3	8 0 0 8 7 9 6 5 0 2 4 4 3 0 0 4 5				Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3 8  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3  COAL, cannel 0 2½  COAL 4 11  — 0 5 4½
tal	1 1 3 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 3 0 0 4 3 0 5 3 5 3 5 3	8 0 0 8 7 9 6 5 0 2 4 4 3 0 0 — 4				Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3 8  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3  COAL, cannel 0 2½  COAL 4 11  — 0 5 4½
tal	1 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 3 0 0 4 3 0 5 3 5 3 5 3	8 0 0 8 7 9 6 5 0 2 4 4 3 0 0 4 5 9				Post girdle 0 0 8  Grey metal, with post and iron girdles 1 3 0  Blue metal 0 1 0  Grey metal, with whin and post girdles 3 3 8  White post 0 3 5  Grey metal and post girdles 1 0 0  Low Main Seam—  Ft. In.  COAL 0 3  COAL, cannel 0 2½  COAL 4 11  — 0 5 4½

<sup>•</sup> Approximate sea level (Ordnance datum).

### No. 1,191.—HOUGHTON.—Convince.

Brought forward	y.	<b>F</b> t	Ia.		P.		R R h.1 Beroght forward 9 2 11 1
Thilly blue metal	1	4	7	•	v	•	Grey metal # 1 1
COAL	ō	õ	4				Watte post 9 1 4
	_		_	1	4	11	Grey metal 2 1 5
Blue metal, mixed							COAL _ 0 2 5
with tumblers	2	2	4				
Blue coloured post	1	5	0				Thill 6 2 8 Thilly grey metal 1 3 7
COAL 0 9	•						Thilly grey metal 1 3 7
Brown metal 0 6							Grey metal and gir-
OAL 0 9							dies 0 4 0
	0	2	0				Blue metal 1 4 9
	_		_	4	3	4	COAL 0 1 •
hilly grey metal	1	1	6				
Slue metal, mixed	5	Ú	6				Thill 0 0 11
with whin layers Black metal	1	ŏ	6				Grey metal, with post girdles and water . 1 1 11
SOAL, with water	ō	ŏ	2				Black cashy parting 0 0 9
, , , , , , , , , , , , , , , , , , ,	_		_	7	2	8	Grey post, mixed with
hilly grey metal	O	1	8	•			grev metal 0 3 5
COÁL"	Ú	Ú	6				COAL 009
	_	_	_	0	2	2	
hilly grey metal	O	2	0				Thill 0 0 5
rey post, mixed with	0	5	0				Grey metal 0 2 0
whin	ŏ	3	4				White post, with open gullets and water 1 4 6
CAL	ŭ	Ü	4				Blue metal, with iron-
· · · · · · · · · · · · · · · · · · ·	_		_	1	4	8	stone girdles 1 5 6
hilly grey metal,							Thill 0 3 8
with water	1	5	2				Thilly grey metal 0 2 6
lroken post, with very							Grey post girdles 0 0 8
open gullets, mixed							Dark blue stone 0 3 2
with whin and grey	2	1	8				Grey post girdle 0 0 8
post with water	ũ	i	Ü				Grey metal, mixed with post girdles 2 2 0
iue stone Ft. Ir		•	•				COAL 0 1 1
OAL, splinty 0 7							
Brown metal 0 2							Grey metal, with whin
OAL 0 4	-						layers 2 4 0
	0	1	1	,			Blue metal, mixed with
1.:11	0	2	11	4	2	6	Court point with
hill rey metal	ő	3	8				Grey post, mixed with whin layers 1 3 9
lue metal	ŏ	ĭ	7				White post, mixed
OAL	ŏ	ō	7				with whin 2 2 6
				1	2	9	Strong grey metal 3 3 0
hill	0	5	0			10	Blue metal, mixed with
rey metal, mixed	_						ironstone girdles 1 4 2
with whin layers	2	4	7				Three-Quarter Seam-
Thite post, with open	^	,	•			1	Ft. In.
gullets and water	0	40	0 6				COAL 0 8
lue metal Thite post, with open	-	2	2				Brown metal 0 3
gullets and water		<u>-</u>	2		-1	100	COAL 1 0 0 1 11
lack cashy partings	-	-	4		1		- 0 111
(bears the principal							metal 0 0 1
part of the water, as							iixed w 3 5
little comes out be-			_				con 9 3
low here)	0	0	6				
					- 4		

• Approximate sea

### No. 1,190.—HOUGHTERSLAW.

#### TOWNSHIP OF EGLINGHAM, NORTHUMBERLAND.

Sheet 26 of Ordnance Map. Lat.

, Long.

Strata at Houghterslaw, 2½ miles North of Bannamoor, near Eglingham, Northumberland.

Approximate surface level

feet above sea (Ordnance datum).

	Ft.	In.	Fs. Ft. In.			Fs.	Ft.	In.	Fs.	Ft.	In
				Brought for	ward	12	4	6			
5	0	0		Hard sandstone		0	4	0			
0	1	3		Black beds		0	2	0			
0	2	0									
0	0	6		Hard sandstone							
				COAL, with 6 is			_	_			
2	3	0					2	5			
						•	_	_			
4	0	0									
_											
0	3	0	i			_			14	5	8
_			.						_		
12	4	6	ļ	Tota	d				14	5	8
	5 0 0 0 0 2 4	5 0 0 1 0 2 0 0 0 0 2 3 4 0	5 0 0 0 1 3 0 2 0 0 0 0 6 2 3 0 4 0 0 0 3 0	5 0 0 0 1 3 0 2 0 0 0 9 0 0 6 2 3 0 4 0 0	Brought for Hard sandstone 0 1 3 Black beds 0 2 0 Bad limestone 0 0 9 Greenish shale Hard sandstone COAL, with 6 i band — Main	Brought forward Hard sandstone Black beds Bad limestone Greenish shale Hard sandstone COAL, with 6 inches band — Main Coal	Brought forward 12 Hard sandstone 0 Black beds 0 Bad limestone 0 Bad limestone 0 Greenish shale 0 Hard sandstone 0 COAL, with 6 inches band — Main Coal 0	Brought forward 12 4 Hard sandstone 0 4 Date of the sandstone 0 2 Bad limestone 0 3 Greenish shale 0 0 Hard sandstone 0 1 COAL, with 6 inches band — Main Coal 0 2  4 0 0 D 3 0	Brought forward 12 4 6 Hard sandstone 0 4 0 Black beds 0 2 0 Bad limestone 0 3 0 Greenish shale 0 0 6 Hard sandstone 0 1 3 COAL, with 6 inches band — Main Coal 0 2 5	Brought forward 12 4 6 Hard sandstone 0 4 0 Black beds 0 2 0 Bad limestone 0 3 0 Greenish shale 0 0 6 Hard sandstone 0 1 3 COAL, with 6 inches band — Main Coal 0 2 5	Brought forward 12 4 6 Hard sandstone 0 4 0 Black beds 0 2 0 Bad limestone 0 3 0 Greenish shale 0 0 6 Hard sandstone 0 1 3 COAL, with 6 inches band — Main Coal 0 2 5  4 0 0  0 3 0  Brought forward 12 4 6 Hard sandstone 0 4 0 Bad limestone 0 2 0 Bad limestone 0 1 3 COAL, with 6 inches band — Main Coal 0 2 5

Beds are disturbed, but general dip is North-east.

### No. 1,191.—HOUGHTON.

TOWNSHIP OF HOUGHTON-LE-SPRING, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 50′ 47″, Long. 1° 28′ 21″.

Account of Strata sunk through in the Houghton Pit. belonging the Right Honourable the Earl of Durham. Begun April 29th, 1823; finished April, 1827.

Approximate surface level 220 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Black soil 0 1 0	Brought forward 4 3 8
Peat 0 3 0	Grey scamy post 0 3 8
Sand, with water 2 2 0	Brown post 2 1 2
Blue seggar clay 0 4 0	Blue metal, with water 0 3 6
Grey seggar clay 0 3 6	COAL 0 0 9
Brown post, with	
water 0 2 2	8 0 9
Carried forward 4 3 8	Carried forward 8 0 9

### No. 1,191.—HOUGHTON.—CONTINUED.

Brought forward	Pa	n	ia.		PL 0		Brought forward	Pa	Pt.	In. 11
They have metal	1	4	7	0	U	•	i			
COÁL	ō	õ	-				White post	0	1	14
				1	4	11	Grey metal	2	ĩ	5
Kine metal mixed	_	_	_				COAL	0	2	5
With transfers		2	4				75.70	_	_	_
Kne colored post	1	9	0				Thill	0	2	8
COAL 0 9	•						Thilly grey metal Blue metal	1 3	3	7
Brennetal 0 6							Grey metal and gir-	•	•	•
COAL . 0 9							dles	0	4	0
	0	2	0	_	_		Blue metal	1	4	9
The same moral	$\overline{}$	-	_	4	3	4	COAL	0	1	0
Thilly grey metal.  Rue metal, mixed	1	1	6				Thill	0	_	11
atty artic pies "	5	0	6				Grey metal, with post	J	U	11
Risck metal	ĭ	ŏ	6				girdles and water	1	1	11
COAL, with water	Û	Û	2				. Black cashy parting	Ō	Ō	9
	<del>-</del>		_	7	2	8	Grey post, mixed with	_	_	-
COAL	Ú	1	8				grey metal	ŏ	3	5
COAL	<u>•</u>	Ù	- 	0	2	2	COAL	0	0	9
ThEr grey metal	Û	2	0	•	-	-	Тын	0	0	5
Grey past mind with	-	_	-				Grey metal	ŏ	2	ŏ
₩ <u>1.5</u>	0	5	0				White post, with open			
Kre metal and water	0	3	4				gullets and water	1	4	6
COAL	Û	Û	4	,	4		Blue metal, with iron-	,	_	
This ever metal.			_	1	*	8	stone girdles Thill	1	5 3	6 8
Attract	1	5	2				Thilly grey metal	ŏ	2	6
Briker per with very	-	-	-				Grev post girdles	ŏ	ō	8
open gradets, mixed								0	3	2
with with and grey	_		_				Grey post girdle	0	0	8
post with water	Ž Ü	1	Ü				Grey metal, mixed with post girdles	2	2	0
Blue sace Parts		1	J				COAL	ő	í	1
COAL SERTY V 7										_
Briwn metal 0 2							Grey metal, with whin	_		
COAL 0 4							layers	2	4	0
	0	1	1		2	6	Blue metal. mixed with	0	1	6
TEI	0	2	11	•	Z	v	Grey post, mixed with	J	•	o
Grey metal	ŏ	3	8				whin layers	1	3	9
Blue metal	ŏ	ĭ	7				White post, mixed			-
COAL	O	0	7				with whin	2	2	6
•			_	1	2	9	Strong grey metal	3	3	0
Thill	0	5	0				Blue metal, mixed with	1	4	2
Grey metal, mixed	•		-				ironstone girdles	•	•	-
with whin layers White post with open	2	4	7			1	Three-Quarter Seam-			
gullets and water	0	4	0				COAL PLIN.			
Blue metal	0	ō	6			:	Brown metal 0 3			
White pest, with open i	2	2	2				COAL 1 0			
gullets and water I		4	2			•		0	1	11
Black cashy partings						i	Program mot-1	_	_	_
(bears the principal						i	Brown metal Stone, mixed with coal	0	3	1 5
part of the water, as little comes out be-						•	COAL, coarse	Ö	3	3
	0	0	6			i	· · · · · · · · · · · · · · · · ·			_
-						-		_		
Carried forward	9	2 1	1 2	29	5	9	Carried forw	ard	l	,

<sup>•</sup> Approximate sea level (Ordnance datum).

		-	N . (1)	ONTINUED.
	TI	OWDE	7	
Mr. 1	198 11	With an		

No. 1,193.—HOW DOM	Pa Pa In Pa Pa In
	- LA CAMPAGNA
Para Para In	Brought with whin as merial, with whin 1 1 0
	Marian and I am
Decorptill 101 1 4 W U	grant to the white
m oraveny o 3 U	girdles rey metal, with whin 1 2 0 10 1 6
	girdles 0 1 6
CFTAVELLY TO LOND	
graves, and g 0 u	Whin Grey metal, with past 0 4 0
th water with	girlles - 0 2 4
th water 1 and gravel, with ater 0 3 0	Grey metal with
	COAL THE OLD TO
y metal F. In.	
0 2	0 3 0
10 2	Thill with a
y metal 011	at the shift street, A. A. O.
_ 013	
29 5 8	
	Grey metal stone Post, with whin girdles 1 1 0 Post, with whin girdles 1 4 0 Post, with whin girdles 1 0 0
0 4 0	
hilltal with post _ a a	Blue stone with
hill metal, with post 3 2 9	COAL mises n 1 2 - n
girdles and water 3 2 9	black stone 6 0 2
Dines source	140
WHICH IS NOT US	Commental or set & 3 0
Blue stone, with water 0 5 6 Grey thill 4 5 6	Strate post 0 2 9
Grey with water 4	
Grey mecan with	COAL 0 0 10 10 3 10
Scamy grey post, water 5 2 0 water 10 4 0	1 2 0
White post willi was 4 ()	demental 0 4 0
Grey metal 0 4 0	Blue metal 0 4 0 2 0 0
White post " 1 3 0	0
White post 1 3 0 Grey metal 1 0 0 Black stone 0 5 0	tal stone - 1 0 0
Black stone 0 5 0	Grey metal stone 9 1 0
	White post Grey metal, with post 3 0
Grey metal, with whin 3 1 0	gredles gridles Whitepost, with water 2 0 0 Whitepost, with water 0 3 0
girdles 0 2 0	girdle with water a a 0
Blue metal 0 5 0	Black stone 0 2 0
Red metal = c 0	
winte post, with water 0 5 0	Scamy stone post 0 3 0
ned metal	Blue stone 0 4 0
Grey metal, with whin	
girdles 0 4 6	Black stone metal
orey thill 0 1 6	Post and grey metal 1 0 2
Black stone whin	girdle metal gir-
Grey metal, with whin	not hime most of 3 of
0 4	dles 0 0 4 19 1 0
Blue stone	COAL 13 4
COAL 06	020
Green 1 6	
COAL 10	
- 0 3 0	49 5 9 White post 0 4 0
1	49 5 9 White post Grey metal stone Grey metal stone Coal 1 0 8
The same of the sa	Grey metal stone Coal 1 0 8 COAL Main 1 0 8
Grav thill 0 1	O COAL Main 1 12 2 8
CALLES + PAUL	1 200
Grey metal, with post 5 3	
Blaze at an art	171 5 8
stone with whin	134 5 8
ardles	Total
	3.6
-A	
rward	

### No. 1,194.-HOWDON.

### DUTYSHIP OF CHIMNEY, NUMBER OF STREET

Short 89 of Ordinance Map. Lat. , Long.

Bored is the Washing Dike Pit, near Hondon Ponn. September 262, III. Approximate surface level feet above sen (Ordinance datus).

Part in Part in	Partie Committee of the Real
From the top to the	Brought forward 19 4 2 2 3
	Bine and black metal. I & F
Of hot 11 0 0	Bine and binek seamy
Sand, with water _ 0 1 0	metal, with some
Black stony clay _ 0 2 0	small girdles or
Sand and gravelly clay 0 4 6	lungs 2 4 5
Sandand gravelly clay,	Black slaty metal _ 0 1 0
with water _ 0 0 9	Black slaty metal,
Sand and gravelly day 0 2 6	mixed with cool _ 0 0 4
Sand and grazel 0 4 0	Black slaty metal 0 2 6
Sand and gravel _ 0 4 0 Story city 0 1 0	Grey metal stone, with
Broken red and brown	black scamy part-
stone 0 2 0	
Sand and gravel, with	ings 0 2 6 Grey post 0 4 6 Grey metal 0 5 0
white girdles or	Grev metal 0 5 0
house and water 1 1 6	Grey metal, with
lumps and water 1 1 6	
Bessen and grey modely stone 0 1 0	The state of the s
The state of the s	Hard brown, grey, and
Brisin and grey	red scamy stone,
rambly store, with	with water 0 1 6
cathesis 1 0 0	Grey and brown scamy
Soft blue and black	metal 0 3 0
slaty metal, with	Grey and brown scamy
eatheads or girdles	metal, with girdles 0 2 0
and some small	Strong white post 0 1 8
scares of coal _ 2 0 0	Dun and red scamy
Grey metal stone, with	The state of the s
Grey metal stone, with	whin 0 1 0 30
Grey metal stone, with girdles or lumps 1 3 0 20 0 3	whin 0 1 0 30 Strong dun grey stone 0 1 9
Grey metal stone, with girdles or lumps 1 3 0 20 0 3 Grey and white scamy	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0
Grey metal stone, with girdles or lumps 1 3 0 20 0 3 Grey and white scamy nost 4 0 0	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with me-	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post,
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy 4 0 0  White post, with metal partings and water 4 5 0	whin 0 1 0 30  Strong dun grey stone 0 1 9 Strong white post 0 2 0 Whin 0 0 9 Strong white post, mixed with whin 0 1 8 Strong white post 4 5 0
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 4 5 0  White post 0 5 0	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with gir-
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, 0 1 8  Strong white post, 4 5 0  White post, with girdles 1 3 0  A soft brown and red
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 0 2
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A white girdle 0 0 5	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 3 0
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A white girdle 0 0 5	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 3 0  Grey, blue, and brown
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A white girdle 0 0 5  A blue motal parting 0 0 6	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 3 0  Grey, blue, and brown
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A whin girdle 0 0 5  A blue metal parting 0 0 6  White post 2 3 0	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 3 0  Grey, blue, and brown
Grey metal stone, with gindles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and waster 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A white girdle 0 0 5  A blue metal parting 0 0 6  White post 2 3 0  Strong post girdles,	Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 3 0  Grey, blue, and brown scamy metal, scared with coal 0 1 0
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white seamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A whin girdle 0 0 5  A blue motal parting 0 0 6  White post 2 3 0  Strong post girdles, with black scamy	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 3 0  Grey, blue, and brown scamy metal, scared with coal 0 1 0
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	whin 0 1 0 30  Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 3 0  Grey, blue, and brown scamy metal, scared with coal 0 1 0  Grey and brown
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A whin girdle 0 0 5  A blue metal parting 0 0 6  White post 2 3 0  Strong post girdles, with black scamy partings 0 4 6  Grey metal 1 0 0	Strong dun grey stone 0 1 9 Strong white post 0 2 0 Whin 0 0 9 Strong white post, 0 1 8 Strong white post 4 5 0 White post, with girdles 1 3 0 A soft brown and red parting 0 0 2 White post, with girdles 0 3 0 Grey, blue, and brown scamy metal, scared with coal 0 1 0 Grey and brown metal and brown metal and brown
Grey metal stone, with girdles or lumps	Strong dun grey stone 0 1 9 Strong white post 0 2 0 Whin 0 0 9 Strong white post, mixed with whin 0 1 8 Strong white post 4 5 0 White post, with girdles 1 3 0 A soft brown and red parting 0 0 2 White post, with girdles 0 3 0 Grey, blue, and brown scamy metal scared with coat 0 1 0 Grey and brown metal and brown and with
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A whin girdle 0 0 5  A blue metal parting 0 0 6  White post 2 3 0  Strong post girdles, with black scamy partings 0 4 6  Grey metal 1 0 0  Grey and black scamy metal, with some	Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 0 2  White post, with girdles 0 3 0  Grey, blue, and brown scamy metal, scared with coal  Grey and brown metal and brown scamy metal and brown all with saler 6
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A whin girdle 0 0 5  A blue metal parting 0 0 6  White post 2 3 0  Strong post girdles, with black scamy partings 1 0 0  Grey and black scamy metal, with some small girdles or	Strong dun grey stone 0 1 9 Strong white post 0 2 0 Whin 0 0 9 Strong white post, mixed with whin 0 1 8 Strong white post 4 5 0 White post, with girdles 1 3 0 A soft brown and red parting 0 0 2 White post, with girdles 0 3 0 Grey, blue, and brown scamy metal scared with coat 0 1 0 Grey and brown metal and brown and with
Grey metal stone, with girdles or lumps 1 3 0 20 0 3  Grey and white scamy post 4 0 0  White post, with metal partings and water 4 5 0  White post 0 5 0  White and grey post girdles, with metal partings 1 1 9  White post 3 3 0  A whin girdle 0 0 5  A blue metal parting 0 0 6  White post 2 3 0  Strong post girdles, with black scamy partings 0 4 6  Grey metal 1 0 0  Grey and black scamy metal, with some	Strong dun grey stone 0 1 9  Strong white post 0 2 0  Whin 0 0 9  Strong white post, mixed with whin 0 1 8  Strong white post 4 5 0  White post, with girdles 1 3 0  A soft brown and red parting 0 0 2  White post, with girdles 0 0 2  White post, with girdles 0 3 0  Grey, blue, and brown scamy metal, scared with coal  Grey and brown metal and brown scamy metal and brown all with saler 6

Carried forward 19 4 2 21

### No. 1,193.—HOWDON.—CONTINUED.

	Pa.	104	To	Fs.	104	T <sub>m</sub>		The .	104	In	Fs.	Tr.	In
Brought forward	8		0	P D.	E to	LIL.	Brought forward				72		
n gravelly clay	1	2	0				Blue metal, with whin		-	-			
gravel, and water	ō	3	0				1 33	1	1	0			
gravelly clay	6	0	Ö					-	-	-			
	0	v	U				Grey metal, with whin	,	2	0			
gravel, and clay,			0				girdles	1	2	0	10		
h water	2	0	0				****	-	-		10	1	6
and gravel, with	-	- 2	-				Whin	0	1	6			
metal	3	4	6				Grey metal, with post	1	- 2	-			
	0	3	0				girdles Grey metal	0	4	0			
Ft. In.							Grey metal	0	2	4			
L 0 2							COAL, mixed with						
metal 0 2							black stone	0	1	2			
L 0 11								_	_	_	1	3	0
	0	7	0				Thill	0	3	0			
-	U	1	3				Grey thill stone, with						
	_	_	_	22	5	9	whin girdles	0	4	0			
							Grey metal stone		3				
*** ***	0	4	0					î	1	0			
metal, with post							Post, with whin girdles		4	0			
dles and water	3	2	9				Grey metal stone						
stone, with							Blue stone	0	2	0			
ter	0	4	0				COAL, mixed with		4				
stone, with water	Ö	3	6				black stone	0	1	2	-	-	-
thill	0	5	6				100	-		-	6	0	2
metal, with water	4	5	6				Grey metal	1	4	0			
The state of the s	*	9	0					-	3	Õ			
y grey post, with			^				White post	0	2	0			
er	5	2	0				Grey metal	-20					
e post, with water		4	0				COAL	0	U	10	10		70
metal	0	4	0							-	10	3	10
e post	1	1	0				Grey metal	1	2	0			
metal	1	3	0				Blue metal	-	4	0			
	1	0	0					_	-	-	2	0	0
metal	0	5	0				4		-	-	-	-	-
metal, with whin							Grey metal stone	1	0	0			
dles	3	1	0				White post	9	1	0			
metal	0	2	0				Grey metal, with post						
metal	0	5	0				girdles	0	3	0			
a post with water	7	5	0				White post, with water	2	0	0			
e post, with water metal		5					Black stone	0	3	0			
	0	9	0.				Blue stone		2	0			
metal, with whin		0	-				Seamy stone post	0		0			
dles	1	0	0				Blue stone	-		0			
thill	0	4	6						4	0			
stone	0	1	6					0	2	6			
metal, with whin	-						Black stone	0	2	0			
dles	1	2	6				Post and grey metal	1	0	0			
stone	0	4	0				girdle	1	0	2			
Ft. In.							Dark blue metal gir-	-	-	-			
L 0 6							dles	2	3	0			
metal 1 6							COAL	0	0	4			
L 1 0								-	_,	_	19	1	0
1 0		100					a am		-				1
	0	3	0				Grey thill	0	2	0			
	2		-	49	5	9	Grey post	0	2	0			
	-			TO.	0		White post	10	0	0			
thill	0	1	0				Grey metal stone	0	4	0			
metal, with post	0	-					COAL-Main Coal						
**	-		0				Seam	1	0	8			
dles	5	3	6								12	2	0
stone	1	0	0								12	-	0
metal, with whin	1	-	-										
dles	1	0	.0										
											-		-
	-	-	-	HO	-	0	Total		141	3	134	5	8
Carried forward	1	4	6	12	9	0	1 2 3 3 3 3 3						

### No. 1,194.—HOWDON.

#### TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

## Bored in the Washing Dike Pit, near Howdon Pans. September 24th, 1750.

Approximate surface level feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In.

Brought forward 19 4.

Brought forward 19 4.

From the top to the		Ft.	In.	Fs.	Ft.	In.	Brought forward				Fs. 21		Ŀ
scaffold				1	3	0	Blue and black metal			6			
	11	0	0				Blue and black scamy			-			
Sand, with water		ĭ	Ŏ				metal, with some						
Pag 1 . 1	_	3	ŏ										
	=	4	6				, ,	•	4	6			
Sand and gravelly clay	U	•	O				lumps	2	4	-			
Sand and gravelly clay,	_	_	_				Black slaty metal	U	1	0			
with water	0	0	9				Black slaty metal,	_	_				
Sand and gravelly clay		2	6				mixed with coal	0	0	4			
Sand and gravel	0	4	0				Black slaty metal	0	2	6			
Stony clay	0	1	0				Grey metal stone, with						
Broken red and brown							black scamy part-						
stone	0	2	0				ings	0	2	6			
Sand and gravel, with	•	_	•				Grey post	_	4	6			
								ŏ	5	ŏ			
whin girdles or	•	•	0				Grey metal	v	U	v			
lumps and water	1	1	6				Grey metal, with		_	_			
Brown and grey	_	_	_				girdles or catheads	1	5	6			
rambly stone	0	1	0				Hard brown, grey, and						
Brown and grey							red scamy stone,						
rambly stone, with							with water	0	1	6			
catheads	1	0	0				Grey and brown scamy						
oft blue and black							metal	0	3	0			
slaty metal, with							Grey and brown scamy	•	•	•			
							metal, with girdles	0	2	0			
catheads or girdles								_	_				
and some small		^	^				Strong white post	0	1	8			
scares of coal	2	0	0				Dun and red scamy	_	_	_			
drey metal stone, with	_	_	_				whin	0	1	0			
girdles or lumps	1	3	0							_	<b>3</b> 0	1	
	_			20	0	3	Strong dun grey stone	0	1	9			
drey and white scamy							Strong white post	0	2	0			
post	4	0	0				Whin	0	0	9			
White post, with me-							Strong white post,	-	•	•			
tal partings and							mixed with whin	0	1	8			
,	4	5	0				·	4	5	ő			
	4		_				Strong white post	3	b	U			
White post	0	5	0				White post, with gir-	_	_	_			
White and grey post							dles	1	3	0			
girdles, with metal	_	_	_				A soft brown and red						
partings	1	1	9				parting	0	0	2			
White post	3	3	0				White post, with gir-						
	0	0	5				dles	0	3	0			
	Ŏ		6				Grey, blue, and brown	-	_	-			
TP1 11	ž	3	ŏ				scamy metal, scared						
White post	~	U	٠					^	1	^			
strong post girdles,							with coal	0	1	0			
with black scamy	_		_				Grey and brown scamy	_	_	_			
partings	0	4	6				metal	0	2	0			
Frey metal	1	0	0				Grey and brown scamy						
rey and black scamy							metal, with girdles						
metal, with some							and water	1	0	6			
small girdles or							Blue metal	ī	ī	ŏ			
lumps	0	5	0					-	-	•			
			_`			_	1			_			_
Carried forward	19	4	2	21	3	8	Carried forward	10	8	10	51	4	1

### No. 1,194.—HOWDON.—CONTINUED.

D					Ft.		70 . 14 # 1			In.			
Brought forward	10	3	10	ĐΙ	•	11	Brought forward				68	Đ	10
Black slaty metal,							Grey metal	0	0	6			
with girdles or cat-	^		4				Whin girdle, with	_	_				
heads	0	2	•				water	0		4			
Slue and grey metal,							Grey post	0	1	U			
with girdles or cat-			_				Grey metal, with cat-	_	_	_			
heads	1	4	0				heads	0	3	0			
Blue and black metal,							Blue and black scamy						
with girdles or cat-	_	_	_				metal, with some	_	_	_			
heads		2	6				small scares of coal	0	1	0			
COAL		0					Grey metal, with gir-						
Brey metal	0	0	5				dles or catheads	0	4	0			
Black metal, with							Grey metal stone, with						
some small scares of							girdles or catheads	1	2	4			
coal	0	0	10				Blue and black metal	0	0	8			
Blue grey metal	0	1	0				Grey metal, with post						
Black metal	0	0	4				girdles	0	2	6			
COAL	0	0	8				Grey post	1	3	4			
				13	4	6	Grey and blue metal	ō	1	6			
Blue metal	0	0	6				*	•	_	_			
Brey post	ĭ	2	6				Ft. In.						
rey metal stone	ō	ī	ŏ				COAL 0 8						
rey post girdles, with	٠	-	·				Black metal,						
metal partings	0	2	0				mixed with						
	ĭ		ŏ				coal 0 2						
T	ō	õ	5				COAL 0 8						
Whin	U	U	U		2	5	Grey metal,						
	$\overline{}$	_	_	3	Z	O	scared with						
rey post girdle	0	0	6				coal 0 5						
rey metal stone, with		_	_					0	1	c			
girdles	1		0					U	T	0			
rey post	0	2	O								8	4	- 8
rey metal stone, with	_	_	_				Grey metal	Λ	Λ	K			
girdles	0	2	6					v	v	U			
Blue metal, with gir-							In grey metal, with		^	^			
dles or catheads	0	2	0				girdles or catheads	T	U	U			
Blue metal, with black											1	0	ŧ
scames and girdles													
or catheads	1	0	0				l						
	_												_
Carried forward	3	1	0	68	5	10	Total				78	4	11
Carriot avaart	_	_	•	-	_				•••	=			=

### No. 1,195.—HOWNES GILL.

### TOWNSHIP OF CONSIDE AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat.

, Long.

# Account of Strata bored through on the Hownes Gill Royalty. August 7th, 1838. Approximate surface level feet above sea (Ordnance datum).

Strong blue clay 6 5 0	Fs. Ft. In. Fs. Ft. In Brought forward 9 1 10
Soft grey metal, with scares of coal 2 1 10  Broken post 0 1 0	Soft grey metal with water 3 2 2
Broken post 0 1 0	Brown post, with metal partings 1 2 6
Carried forward 9 1 10	Carried forward 14 0 6

### No. 1,195.—HOWNES GILL.—CONTINUED.

Donald formed				Fs.	Ft.	In	Broug	he da					Fs.	Ft.	In.
Brought forward	_	_	6							32	U	•			
Soft grey metal	Ų	Ţ	ō				Black met			_	_	_			
Strong grey post	0	4,	6				with coal		•••	0	Z	8			
Grey metal	0	4	2				Grey metal	•••	•••	0	3	8			
Strong white post,							Grey whin			0	3	1			
with metal partings							Grey whin Blue metal			1	0	0			
and water	0	2	8				Grey metal			1	4	6			
Blue metal							Grey post,				_	-			
Grey metal, with post	_	•	_				partings			1	2	6			
	1	Q	Λ				Grey metal		•••	0	ĩ	ě			
girdles Grey post	<u>.</u>	ö	ě						•••	ĭ	Ė	9			
Grey post	Ÿ	Z	5				Grey post				D	0			
Dark grey metal	1	3	7				Blue metal,	Witi	ı post		_	_			
Grey post, with much							girdles	•••	•••		2				
water							COAL		•••	0	0	8			
Soft grey metal	0	4	3				ļ						40	2	4
Grey post	1	3	8				Grey metal			0	1	10			
Blue metal, with post							Grey post		•••	^	_	10			
	1	3	6				arej post	•••	•••	_	_	_	0	8	8
Carried forward	32	0	7					Tota	1				41	0	_

### No. 1,196.—HUMBLEDON HILL.

### TOWNSHIP OF BISHOP WEARMOUTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 53′ 26", Long. 1° 24′ 16".

## Strata sunk and bored through at Humbledon Hill, Sunderland Water Company. December, 1848.

Approximate surface level 200 feet above sea (Ordnance datum).

Sunk :-	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward				Fa.		
	Λ	1	6				Yellow limestone, with	10	-	10	19	_	U
Soil Strong stony clay	2	ñ	6				water	R	2	٥			
Yellow limestone, with	-	٠	·				Strong brown lime-	•	~	٠			
water in the bottom								6	я	9.			
9 feet	17	Λ	Ω				stone Yellow limestone	ĭ	2	ត			
		_		19	2	0	Strong brown lime-	-	~	٠			
Bored :-				10	_	·	stone, with girdles	٥	5	6			
Strong brown lime-							Yellow sand						
stone, with water	4	2	R				Dark metal stone						
White limestone							Yellow sand, with	•	·				
Brown limestone	ŝ	4	ŏ				much water 4 feet						
Very soft yellow lime-	·	-	٠				from top	0	4	0			
stone	0	4	6				Brown sand, very	·	-	Ŭ			
Strong brown lime-							quick at the bottom						
stone						#	and much water	1	0	4.			
	' 2	*	10				i i i i i i i i i i i i i i i i i i i	_			32	2	2
				_		_	!						
Carried forward	16	4	10	19	2	٥	Total				51	A	9

<sup>\*</sup> Approximate sea level (Ordnance datum).

### No. 1,197.—HUNWICK.

### TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41′ 14", Long. 1° 42′ 17".

### Boring at the East End of Hunwick Village.

Approximate surface level 436 feet above sea (Ordnance datum).

Soil		Ft.	In. :	Fs.	Pt.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	
Strong blue clay, with	U	_	U								22	v	
tumbling stones	3	3	6				Strong grey metal,		,	0			
Grey metal, with post	0	0	U				with whin girdles		1	-			
	1	2	۰				COAL-5.4 Seam	U	4	*			
girdles and water	1	Z	8								4	0	1
Strong white post,		_	_				Strong white post, and						
with metal partings	1		6				set away the water	7	9	8			
Grey metal	_	1	8				COAL, foul		ĩ				
COAL	0	1	6				OOAE, 10m	U		*			
				7	4	4	1				7	4	0
G		^	4	-			Strong grey metal,						
Grey metal	8		.4				with post girdles	2	1	7			
COAL	0	U	11				Grey metal	õ		6			
	_			8	1	3	1 664	- 1	_	2			
Grey metal	9	0	10				COAL	v	7	2			
A ~~ A 1		ŏ					†			_	3	1	3
COAL	U	U	U				Grey metal	0	4	7			
	_			2	1	4	COAL		ō				
Grey metal	0	4	6					٠	٠	·	_	_	
White post, with me-	v	-	٠							_	0	5	4
tal partings	1	Q	4				Grey metal, with post						
COAL, with water		2					girdles	Ω	4	11			
COAL, WILL WALEE	U	2	v				Strong white and grey	•	-				
	_			2	3	10	post, with metal						
Grey metal	0	1	9				partings	4	1	9			
White post, with water	ĭ	4	š				Grey metal, with post	•	•	·			
Blue metal	ō	ī	6				girdles	1	1	0			
	ŏ	î	3				Black metal, with	•	•	·			
COAL	٠	•	•	_	_	_	scares of coal	0	Λ	6			
				2	3	2	COAL-Main Coal	U	٠	U			
Dark grey metal	0	3	0				Seam	Λ	4	10			
COAL			ğ				Deam	U	•	IU			
	_	•	Ť	^		•				_	7	0	6
	_			0	3	9	Grey metal	1	O	0			
Grey metal	2	5	4					2		ŏ			
CO'AL	0	1	5				arej pose	-	-	·	_	_	_
				8	0	9			_		3	1	O
				0	U	0							
Carried for		J			0		Total					0	
Carried for	MBI	u		42	U	Ð	Total		•••			v	

<sup>\*</sup> Approximate sea level 147½ feet below this.

### No. 1,198 .- HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41' 45", Long. 1° 41' 55".

Account of Strata bored through upon the Hunwick Royalty. July 31st, 1839.

Approximate surface level 295 feet above sea (Ordnance datum).

	Fs.	Ft	. In	Fz.	Ft.	In.					Fa.		
Clay, with sandy part- ings with large							Brought forward Grey metal	1	1	1	20	4	5
stones and water	11	0	0				Post, with water	0	3	0			
Freestone, with soft							Blue metal	1	4	7			
red partings and water	2	5	6				Strong grey metal Blue metal, very dark	1	5	6			
Grey metal	3	ĭ	5				last 10 inches	0	2	5			
COAL	0	1	3	20			COAL, brassy the						
	-			17	2	2	last 8 inches	0	4	8			
Black stone	0	0	7				And the second second	-	_	-	6	4	3
Strong grey metal,							Grey metal, inclining						
with post girdles	3	0	10				to post				0	5	6
COAL, foul													
	-	-	-		2	3							
Carried for	war	d		20	4	5	Total				28	2	2

### No. 1,199.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

No. 2 Hole at Hunwick, from the surface. Commenced June 13th, 1842.

Approximate surface level feet above sea (Ordnance datum).

O.O. Attended and	Action of the second of the second of	
Soil, blue clay, and		White post, with 2 2 6 17 0 3
grey metal 5 3	3 2	water 2 4 8
Black stone and coal 0 1		Grey whin, set away
	3 2	the water with foul-
		ness 0 0 11
Red marl 0 4 Brown freestone 7 2	4 0	White post 0 4 10
0 0	2 6	Dark grey metal, with
	1 11	water 1 5 G
COAL 0 1	15 0 8	Brockwell Sca
Community with most	10 0 0	Black met
Grey metal, with post	. 11	
girdles 1 3	3 11	mixed wit
COAL, with a band		coal
2 inches thick 0 1		COAL, good
-	1 5 7	COAL, coarse
Grey metal 0 2	2 0	or splint
Black stone, mixed		
with coal 0 1	1 0	5.3
Grey metal stone 1 5	5 6	Grey metal thill
Carried forward 2 2	8 6 "	Total

### No. 1,200 .- HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Strata sunk through at West Hunwick Colliery, No. 1 Shaft.

Approximate surface level feet above sea (Ordnance datum).

Yellow clay			In.	Fs.	FL	In.	Brought forward 5 1 6 12 0 6
Strong blue clay, with		-					White post 3 3 0
THE RESERVE TO SECURE ASSESSMENT OF THE PARTY OF THE PART	6	1	6				Brown post 1 3 0
Loamy clay	1	3	0				COAL 0 1 4
Blue metal		0	0				Seggar clay 0 2 4
COAL			2				Blue metal 1 0 0
Seggar clay	0	2	10				
Post	0	3	0				Lower Busty Seam-
Blue metal	0	3	0				Ft. In.
COAL - Top Busty							COAL 1 4
or 5,4 Seam	0	3	0	12	0	6	Seggar clay 2 8 COAL 1 8
Seggar clay	0	3	0	-	7	2	- 0 5 8
Brown post	4	4	6				12 4 10
Carried forward	5	1	6	12	0	6	Total 24 5 4

### No. 1,201.-HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

Strata bored through in Hunwick Estate, in a Field adjoining the River Wear, on the North side, 60 yards West of Gibson's Ovens.

Approximate surface level feet above sea (Ordnance datum).

Soil Sand Gravel Brown stony clay Brown post Grey metal COAL Grey metal COAL		0 0 1 6 3 1 0 2 0 0	1 3 1 1 0 1 1 1 3	0000056-1014	Fs. Ft. In.	Brought forward Grey metal, with post girdles COAL  Black metal Grey metal Grey post, mixed with metal Dark metal, with a siping of water	0 0 0 0 1	3 1 0 3 3	0 0 0 0 0	Fa. 12		
Durk me COAL Grey m COAL Trey added	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0		6 8 1 6 0 0		Brockwell Seam  Ft. In.  COAL 4 1 Splint 0 5  Grey metal and post girdles  Total		4	6	3 0 21	3	3 0 2

### No. 1,362.—HUNWICK.

#### TOWSSELP OF RESUME AND REAL NESSES, DURRENT.

### Sheet 34 of Ordanice Map. Lat. 56 42 22', Long. F 42' 28'.

#### Strate sunk through at Gibers Pit, Hannick Colliers.

### Approximate surface level 250 feet above sea (Ouksusce datum).

Outset				Ps.	R.	<b>L</b>	Par
Hoil	Ű	0	6				Strong freestance 4 3 0
Clay, with sandy part-							Blue stane 3 2 10
ings	4	0	0				Strong grey post 4 3 0
Sand, with a siping of	_	-					Bine stone 1 2 0
water	1	2	0				COAL — Brackwell
Strong blue gravelly	_	_	-				Som or Maia Coal 0 4 8
	4	0	0				14 3 6
clay Yellow freestone	ĩ	3	ŏ				Grey post 0 4 0
COAL-6/4 Seam							Grey metal, with post
	_				0	0	girdles 0 3 0
					•	•	Strong white post 0 4 0
							outing same post U T U
							1.0
Carried for				10	0	_	Total *28 2 6
Carried for	W 12.	u		ız	U	U	1001 75 1 1

<sup>\*</sup> Approximate sea level 794 feet below this.

### No. 1,203.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41′ 30″, Long. 1° 42′ 0″.

Section of New Hunwick Shaft, belonging to Mr. Parker Booth. Commenced November 27th, 1854.

Approximate surface level 340 feet above sea (Ordnance datum).

Brown soil Yellow clay Blue clay Fire clay COAL		Fs. 0 0 4 0 0	0 2	9 0 3 0		. Pt. In.	Brought COAL Band COAL	
Fire clay Post girdle Rubble sandstone Brown sandstone Grey shale		0 0 0 1	2 0 2 5 0	1 7 8 2 6	5	0	1	Fire clay Grey shale, girdles
Carried forward			5	0	5	0	1	Carried fo

### No. 1,203.—HUNWICK.—CONTINUED.

Broug	ht for	ward	Fs. 1	Ft.		Fs.	Ft.			Brought forward		Ft.		Fs. 18	Ft. 1	In. 11
shale			0	2	6				•	Brown sandstone	4	0	5			
AL	•••	•••	Ô	0						Hard sandstone	Ō	3	10			
						2	o	1	1	Brown sandstone	ì	4	7			
stone,	or st	rong				_	•	_	- !	COAL	ō	ī	4			
e clay			0	1	10									10	0	5
postg	irdle	•••	0	0	11					Fire clay	0	1	5			
stone g			Õ	Õ						Blue shale	Ŏ	5	4			
e		•••	ŏ	ĭ						COAL	ŏ	ĭ	ō			
ĀL		•••	ŏ	ō						Fire clay	ŏ	3	5			
	•••	•••				0	5	9	2	COAL	ŏ	ĭ	3			
clay			0	3	0	•	•	•	-		_			2	0	5
shale			2	2	6					Fire clay	0	1	8	_	•	•
k shale			ō	ī	4					Blue shale	ŏ	ī	6			
AL	•••		ŏ	ī		L				Hard grey sandstone	ŏ	4	ŏ			
	•••	•••	_			<b>'</b> 3	2	<b>a</b> i	ı	White sandstone	ĭ	2	4			
clay			0	3	5	•	-	-;	3	Hard grey sandstone	ō	2 1	8			
vn sand			2	2	ŏ					White sandstone	4	2	ŏ			
vn shale			ō	2 2	7					Blue shale	ō	2	7			
AL, f			٠	_	•					Main Coal or Brock-	·	_	•			•
cannel										well Seam- Ft. In.						
stone b										COAL 0 2						
AL		õ								Black stone 0 9						
~-			0	9	10					COAL 4 8						
	_					8	4	10	n	Splint 0 4						
sandsto	NDA.		0	1	10	0	-30	7,	٠ ا	0 4	0	5	ß			
te sandı		•••	3	ō	5									8	2	10
VO BBLU	PWIE	•••							_					<u> </u>	_	
Carried	forms	-M	8	2		18	1	11		Total				38	5	7
Oer 1160	TOLWE	uu	J		9	10		-	•	10001		• • •	=	≌	ŭ	<u>=</u>

<sup>\*</sup> Approximate sea level 1061 feet below this.

# No. 1,204.—HYLTON.

#### TOWNSHIP OF HYLTON, DURHAM.

Sheet 8 of Ordnance Map. Lat.

, Long.

ccount of a Boring in the Hylton Grounds, near the Wear side, about three miles from Fulwell. July 21st, 1740.

and gravel ten grey and own post on one	Fs. Ft. In. Fs. Ft. In. 1 0 0	Brought forward Grey and white post, with grey scamy	2	2	
le, and clay on the her side, with		partings Strong white post	1	0	0
ster	1 2 0	Grey metal	ĭ	ŏ	ŏ
Carried forward	2 2 0	Carried forward	4	2	6

# No. 1,204.-HYLTON.-CONTINUED.

	_	_	_	-		_		_	-	-		_	-
Brought forward				Fa.	Ft.	In	Brought forward	Pa.	Pt.	In.	Fa. 22	PL 1	1
Black slaty metal, with catheads	0	1	6				Black metal, scared with coal		3	0			
Soft grey and blue							Grey and white metal,						
metal, with catheads Black metal		5					Whin		1	0			
COAL, mixed with			10				White post, with water		-				
black metal	0	0	6	-		-	and grey scamy	-	-	-4			
				7	4	8	Grey metal	0	3 4	6			
Black metal	0	0	10				Black and blue metal	2	1	6			
Grey metal stone, with	3	0	0				Black and grey metal,	-		-			
Grey and blue metal		-	-				mixed with coal Grey and white metal	0	1	0			
stone, with catheads Black slaty metal,	2	0	0				stone	1	3	0			
with catheads and							White and grey post,	-	-	-			
water		1					with water Grey metal	2	0	9			
COAL	0	0	6	5	2	4	Soft grey and blue	•	-	-			
Grew motel	0	0	4		-	-	metal	0	2	2			
Grey metal Blue metal	0	0					COAL 1 3						
Grey metal stone,							Blue metal,						
with post girdles Blue grey metal, with	3	0	0				mixed with						
catheads	3	0	0				coal 1 4	0	2	7			
Black slaty metal,								_	_		14	3	6
with some small scares of coal	0	1	0				Blue metal	0	1	6			
White post girdles,	-	*	-				Grey metal stone, with						
with grey scamy	-	-					White post girdles,	1	2	0			
partings and water Black metal							mixed with whin	0	3	0			
		-	-				Grey and black metal						
COAL 0 6							COAL, with water		1	11	6	1	11
coal, mixed							Black and grey metal,				-		
with grey metal 0 6 Grey metal 0 4							with girdles and						
SHAND MINISTER AND AND ADDRESS OF THE PARTY							catheads	2	0	0			
COAL 0 4	0	1	8				Black and grey metal, with some small						
	_	_	_	7	0	4	with some small scares of coal	0	2	0			
Grey metal, with cat-							Blue and grey metal,		0				
heads and white							with catheads Black metal	3	3 2	-			
post girdles near the bottom	1	3	0					0			2	-	
White post, mixed											6	1	9
with whin	0	1	0				White metal	0	0	6			
Blue and black metal, with catheads	0	4	2				Grey metal, with cat- heads	0	4	6			
		-					Grey and blue metal,						
COAL 0 4							with some small girdles and water	1	1	10			
Black slaty me- tal, mixed							COAL	0					
with coal 0 3			4				12-112			-	2	2	2
	0	0	7	9	9	9	Grey metal	0	4	0			
			_	-	-	0	Whin girdles, mixed						
	_						mith most mith block						
Grey metal stone, with	0	3	0				with post with black and blue partings	3	0	0			
Grey metal stone, with	0	-	-	_		_	with post with black and blue partings Carried forward	3	-	-			-

### No. 1,204.—HYLTON.—CONTINUED.

Brought forward				Fs.			Brought forward					Ft.	In.
Blue metal, with gir-	0	*	0	04	1	0	White and grey scamy		9	4	01	-	-
dles and cathends	0	1	8				post, with water		0	0			
Black metal							Black metal						
COAL, foul							COAL, foul			6			
	_			4	1	10		_		_	3	2	10
Blue metal, with gir-							Grey metal stone	0	3	0			
dles and catheads		0	0				Grey scamy post gir-						
Grey metal stone	2	2	0				dles, with metal						
Ft. In.							partings	2	0	0			
COAL 0 9							Blue and black metal,						
Soft metal 0 1							with girdles or cat-						
COAL, with								1					
water 1 3							Jet or black slate						
_	0	2	1				COAL	0	0	8			
	-	_	_	4	4	1		-	-	-	4	1	2
Black metal	0	0	2					0					
Grey metal, with gir-							In grey metal	0	0	8		-	-2
dles or catheads	1	0	0					-	-	-	0	1	8
	-		-	-	-	_	200				-	-	
Carried forward	1	0	2	61	1	4	Total		***	1	69	1	0

# No. 1,205.—INKERMANN.

TOWNSHIP OF BUTSFIELD (DETACHED NO. 12), DUBHAM.

Sheet 25 of Ordnance Map. Lat. 54° 46′ 7″, Long. 1° 48′ 32″.

Section of Strata sunk through at Inkermann Colliery, Dan's Castle Royalty. 1873.

ALC: NO THE REAL PROPERTY.			Fs.		In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Outset		***	0	2	0				Brought forwa	ird				7	1	8
Clay			3	3	0				Seggar clay	***	0	5	0			
Blue metal			0	3	0				Blue metal		1	1	0			
Post			0	3	0				Brown whin		0	3	0			
Blue metal			0	1	0				The second		0	3	0			
Post			0		0				a		0	1				
COAL-B			-	-	-				Mark Townson		2		6			
Little Co.			0	2	2				COAL-Cannel Co			0	-			
			_		_	5	5	2			-	-	_	6	0	7
Seggar clay			0	2	0				Grey metal		1	2	0			
Strong post			0	1	0				TO		0	2	0			
Black thill				2	0				** ** **			2	0			
COAL-5/			0	3	6				0		-	2	0			
OONL U	z Dewne		_	_	_	1	2	6	Grey mount in	***	-	_	-			
		-				-	-	-			_	To .	-	-	-	_
	Carried	for	war	d		7	1	8	Carried forward	d	2	2	0	13	2	3

### No. 1,205 .- INKERMANN .- CONTINUED.

Brought forward Leafy post Blue metal Post Grey metal Blue metal	1 4 0 0 3 6 0 2 0	Brought forward 7 0 6 13 2 3  Main Coal (or Brock- well) Seam—  Pt. In.  COAL 2 7  Seggar band 0 6  COAL 3 6  ——————————————————————————————————
Carried forward	7 0 6 13 2 3	Total *21 3 4

<sup>\*</sup> Approximate sea level 795 feet below this.

# No. 1,206 .- IVESTON.

# TOWNSHIP OF IVESTON, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Strata sunk through at Sunnyside Pumping Engine Shaft, Iveston Colliery. 1866.

Approximate surface level feet above sea (Ordnance datum).

Soil		Ft.		Fs.	Ft.	In.	Brought forward	Fs.	Ft	. In.	Fa. 17	Ft.	In.
Clay	3		4				Brassy thill	0	0	4			м
Gravel and sand	0	4 5	4		7		Strong grey metal	-	~	м			
Shelly post, with metal	-		-				stone	0	3	0			
partings	5	2	0			-	Dark metal	0		5			
Dark metal, with iron		~	-			- 7	Post and whin			11			
A A	2	3	0				Light metal	0	5	8			
0041	ő	0					75 7	0	0	7			
COAL	U	v		12		0		0	0	4			
THE CALL OF THE CA	0	7	10	12	4	9	COAL-Hodge Seam	0	U	-	0		
Thill stone	0	_	10				ministrations	-	*	-	-	1	0
White post, with water	0		8				Thill stone	1	5	- 100			
Light grey metal	0	1	10				Black stone	0	0	6			
Dark grey metal, with							Thill stone	0	4	2			
iron bands	-		10				Post, with whin and	-					
COAL, bad	0	1	5	1	_	-	water	0	2	10			
	_	-	_	2	2	7	Tilly Seam- Ft. In.						
Thill stone	0	2	7				COAL 0 11						
Strong grey post, with							Seggar band 1 8						
water			8				COAL 0 7						
Grey metal stone	0	2	11				_	0	3	2			
Dark metal, with iron							and the same of th	_	-	_	3	3	8
bands	0	3	2				Thill stone	0	3	4			
COAL - No. 1 (or							Black stone	0	0	11			
Towneley) Seam	0	2	2				Thill stone	0	2	8			
	_	_	_	2	2	6	Post, with whin and						
							water	2	1	0			
Carried for	war	d		17	3	4	Carried forward	3	1	11	23	2	3

# No. 1,206.—IVESTON.—CONTINUED.

Brought forward	Fs. 3	Ft.	In. 11	Fa. 23	Ft.	In.	Brought forward	Fs. 9	Ft.	In.	Fs. 34	Ft.	In (
							Three-Quarter Seam-						
							Ft. In						
COAL 0 4							COAL 0 2						
Band 0 4							Black stone.	•					
COAL 0 6							mixed with						
	0	1	2				coal 0 11	1					
			_	3	3	1			1	2			
Rosson mod light								-	-	_	9	2	1
Seggar, good light colour, with no iron							Dark grey metal	0		8			
balls	0	2	6				Whin, with water		3	2			
Dark grey metal							Dark metal			0			
Light metal	3	ő	0				Whin girdle	0	0	6			
Post girdle	0	9	ŏ				Metal	0	0	8			
rose gride	v	~	v				COAL	0		5			
Busty Bank Seam-								-	-	-	4	0	1
COAL, top 1 2							Dark metal	0	3	0			
Seggar, good,							Brown post, with part-						
with no iron							ings	0	4	3			
							Dark metal, with iron-						
							stone			6			
							Whin girdle	0	0	7			
Dark metal,							Grey metal	0	3	0			
with post							Post, with metal part-						
girdles 6 7							ings	0	3	4			
COAL, bot-							Sand and water	0	0	5			
tom 2 4							COAL-Brockwell						
	2	1	4				Seam	0	1	1			
	_	_	_	6	5	10		_	-	-	3	3	1
Districtions	0		0				Thill stone	0	0	4			
Black stone	-	0					Post	0	1	8			
COAL	-	0					Dark metal, with iron-						
Black stone		0					stone	0	2	0			
COAL	0	0	2				Post, with metal part-						
	_		_	0	1	10	ings	0	3	0			
						10.1	Dark metal, with iron						
Black stone (bottom							balls	0	4	7			
of West Drift)	0	0	8				Post, with metal part-						
Light seggar		2					ings	1	0	10			
Light grey metal		ō					Strong post	0	5	0			
Post	ō	4					Metal	0	2	0			
Post, with metal part-	-	-					COAL	0	0	4			
ings	2	0	0				2.30.4	34	. 3				
Metal, with post gir-	5	-					nt t	-		_	4	1	1
dles	0	5	10				Black stone		0				
	1	1	2				Dark metal		-	4			
Strong brown post							Sandy post		2				
Grey metal		3					Dark metal						
Strong post, with			33				Black stone		1				
water	1	0	10				Grey metal	0	4	3			
Grey metal		1					1	_			9	0	1
and more in		•	-									U	
	_		_	34		_					_		_
the second secon							Total						

# No. 1,207.—JARROW.

TOWESHIP OF MEDWORTH, MONETON, AND JARBOW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58′ 57″, Long. 1° 28′ 56″.

An Account of Strate sunk through from the High Main to the Low Main, in the E or Deep Pit, Jarrow Colliery. September, 1821.

Approximate surface level 55 feet above sea (Ordnance datum).

		P	h R	n	Īa.	Fe. Pt. In. Fe. Pt. In.
From surface to High						Brought forward 5 2 0 162 3 6
Main (including 3		_		_1		Blue stone 0 2 0
fathenes of outset)			131	5	0	Ironstone girdle 0 0 4
Th	`.	٥	0			Grey metal and post
	- 5	ŏ	-			
White post	•	U	v			girdles 0 4 8
COVI-NAM (PM	_	_	^			Ironstone girdles 0 0 3
Streen	U	3		_	_	Blue metal 0 0 9
	_		<b>— 13</b>	3	0	Girdle 0 0 4
Blue metal stone and	_	_	_			Blue metal 0 0 8
post girdles		5				Girdle 002
Blue metal	1	0	0			Blue metal 0 2 10
Blue metal and post						Blue metal and post
girdles	0	4	0			girdle 0 5 6
Black stone and reel-						Post girdle 0 0 6
Stone Coal Scam	0	0	6			Grey metal 1 2 0
	_		_ K	3	6	1 T
Blue metal and post			_ •	•	•	Blue metal and girdle 0 5 8
wingles	•	5	4			
girdles		ŏ				1 700
Black slate	v	Ų	ŏ			
Post mixture	ī	1				COAL — Bensham
Grey metal	1	3	0			Seam 1 0 0
	0	5	0			12 5 6
Grey metal	1		6			Grey metal and post
Black stone and coal	1	0	0			girdles 2 1 6
Whin girdle	0	1	0			Black metal 2 0 6
Grey metal	0	3	6			Six-Quarter Seam-
Blue metal		4	6			CŎAL 0 1 8
Grey metal	ō		ŏ			4 9 9
Post mixture and whin	٠	•	•			Blue metal and post
girdles	3	0	6			
	•	U	U			girdles 1 5 4
Blue metal and post	_	_				COAL 020
girdles			0			3 1 4
COAL—Yard Seam	U	3	0	_	_	Blue metal 1 0 6
			12	3	0	Grey metal 1 3 10
Metal and post girdles	1	1	0			COAL—5,4 Seam 0 3 0
Black stone	0		0			3 1 4
Strong blue metal	0		9			Grey metal and post 1 0 0
Ironstone		ō	3			Post 5 0 0
Strong blue metal	ĭ	-	ŏ			Black stone 0 4 2
Strong blue metal and	-	-	•			COAL—Low Main
	1	3	6			Seam 0 5 0
post girdles						V V V
Strong post girdles		Ţ				733
Blue metal		_	4			
Ironstone girdle	0	0	8			
	_		<del>-</del>		_	
Carried forward	5	2	0 162	3	6	· 198

\* Approximate sea level (O

Note.—The Oval Pit was sunk from the High Mabeing similar to that in the

#### No. 1,208.—JARROW.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 57", Long. 1° 28' 26".

Boring in the Stone Drift, at Jarrow Colliery, East from the Shaft about 600 yards. September, 1809.

Approximate surface level at top of pit 55 feet above sea (Ordnance datum).

Strong coarse gravelly	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 9 3 9
post	1	0	0				Grey metal 0 0 10
Strong white post	ī	Ŏ	ō				Strong white post,
Black stone, mixed							mixed with whin in
with coal	0	0	6				several places, and
Grey metal stone	0	3	0				water 6 5 2
Strong grey post	0	2	0				Ft. In.
Strong grey post,							COAL 1 10
mixed with whin	0	2	0				Blue grey metal 0 2
Grey metal stone, with	_	_	_				COAL 0 9
girdles	1	2	8				Slaty lump or
Black stone Grey metal stone	Õ	4	Õ				band 0 1
Grey metal stone	ō	z	ā				COAL 2 81
Grey scamy post Blue and black metal	Ĭ	Ţ	6				0 5 7
							7 5 7
COAL	U	0	8				Strong grey metal
Black slate, mixed	_						stone 0 0 10
with coal	U	1	1				
•			_	9	3	9	
Carried for	war	d		9	3	9	Total 17 4 2

#### No. 1,209.—JARROW.

TOWNSHIP OF HEDWORTH, MONKTON, AND JABROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58′ 57″, Long. 1° 28′ 28″.

Bored in the second hole in the Stone Drift, at Jarrow, 50 yards West from the first hole. October. 1810.

Approximate surface level at top of pit 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs	Ft. I	Fs. Ft. In. Fs. Ft. In
Strong white post,						Brought forward 6 1 8
mixed with whin	3	0	6			Strong metal stone,
Grev metal stone	0	4	0			with hard whin
Strong white post	2	0	0			lumps 1 0 0
COAL	ō	ō	2			lumps 1 0 0 Soft black stone 0 1 6
Soft black grey metal						Strong metal stone,
2011 011101 B103 11101111	•	-	-			with whin lumps 2 8 0
	_					
Carried forward	6	1	8			Carried forward 10 0 2

# A. 19 APROW - DATINGED.

	****** 		B2 50	<u>+</u>	10 0 3	Pa.	R. 20	1 0
· Acceptance	2 - 3	Total			_1	19	3	_ _ _

# 

# MANUAL DE PROMIN, MANUAL DE PRANTO,

there's o' become him. Lat he was a way, Long I'm M'.

had not use at to I Ft. James Olloy. May, 1919.

representate active level II fine nive un Ordinace datum).

	RREBRE	Brought forward	ħ.	R b	27 3 04
केलाह क	•	Self Detail Silbe	0	3 0	
AT DR THE	2 1 1	COAL		0 II 0 7	
THE THESE SCHOOL	1 1 1 1 1 1 1 1 1			2 11 2 3	1 4 6
I MEET TON THE	<u> </u>	Post girdes	0	1 6	
Fire ton	1 1 1	White post	0	5 8 2 1 5 11	
Read state and the	1 1 1 1	Grey metal stone Pist girlles, with metal partings	_	3 6 2 9	
Vine vot	2 1 1 1 4 2a 1 3	Grey metal stone	2	5 1	7 4 10
Por profes and meni	1 1 4				
strine	8 CH 3 1 10}				
Carried for	eszd 27 3 0j	Total		=	87 0 44
,	• Approximate ses	jatum).			

# No. 1,211.—JESMOND.

#### TOWSSHIP OF JESMOND, NORTHTHERSLAND.

Sheet 97 of Ordnance Map. Lat. 54° 55° 22", Loog. 1° 35' 57".

Sunk and bored at the Middle Pit, Jesmond Colliery, from Thill of High Main Seam.

Approximate surface level 165 feet above sea (Ordnance datum).

sunk to the High	P	n.	<u>In</u>	Pa. 27	R 3		Brenght forward				. Ps.		
Main Seam		_			_	<u></u>	Grey post girdle		1			_	
urther to the Metal	•				_	•	Grey and dark metal						
Coal Seam	5	3	0				stone, with post						
	2	_	ŏ				girdles	3	5	1			
rey metal stone	õ	ĭ	ŏ					0	Ú	7		٠	
rey metal stone, with	•	•	·				- ·						
post girdles	0	2	7				Bessham Scam-						
strong white post,	v	~	•				n h						
with thin partings	0	•	9				COAL, with						
rey metal stone	_	4					water, rather						
	_						tender, and						
OAL	U	v	•	9	•	~	foul 4 inches						
	_		_	9	3	7	at buttom 2 2						
lack stone	0	0	9				COAL, foul 0 8						
rey metal		0	6				1	Δ	•	10			
rey metal stone		1	2				! —		2	<b>1</b> 0	7	4	8
ark grey metal	0	0	9				!			_	•	-	•
COAL	_	0	3				i						-
•				1	3	5	Sunk				67	4	8
form modul and modul				-	•	_	i						
rey metal and metal							Bored from thill of						
stone, with post	_		_				Bensham Seam-						
girdles	_	1					. Out though confield						
Oark metal	0	0	3				Cut through scaffold	^		_			
OAL, with foul	_	_	_				for box, etc.	U	4	U			
bands—Yard Seam	0	1	8		_		Strong white post,						
	_		_	5	2	11	with whin girdles						
rey metal	0	1	0				and metal partings,						
	Ō						at 3 fathoms water	_	_	_			
OAL	_	ŏ					at bottom	6	4	0			
		_	_	0	1	8	Black slaty metal,	_	_	_			
			_	v	•	0	scared with coal	0	0	6			
	0	0	3				Ī			_	7	2	6
rey metal stone, with							Grey metal	0	2	6			
post girdles	0	5	2				Strong grey metal						
trong white post	1	4	6				stone	3	4	3			
rey metal stone, with							White and grey post,						
post girdles	2	Ú	9				with scared partings	7	1	6			
Pt. In.							Whin and a mixture			-			
OAL 0 6							of whin and white						
rey metal 0 5							post, with a metal						
OAL 0 10							parting of 4 inches						
•	0	1	9				at 2 feet 6 inches						
				5	0	5	from top (got June						
rey metal and metal				-	•	-	19th, through July						
stone	0	4	0				3rd, 38 shifts)	2	0	8			
	ì						COAL	_	ŏ				
rey metal stone									-	_	13	3	3
	ŏ						Blue grey metal	^	1		10	0	•
	_		_			_	Blue grey metal	0		* 1			_
Carried forward	2	_1	9	60	0	0	Carried forward	0	1	11	88	4	_
			~	~	•	•						-	Ð

nate sea level (Ordnance datum).

# No. 1,211.—JESMOND.—CONTINUED.

		J.						Ps.	P	To.	Pa 1
Brought forward	0	1	H	85	4	5	Brought forward				
Lon Mais Seen							Grey metal stone and				
COAL, with							post girdles	0	4	9	
water, rather							White and grey post,				
tender, and							mixed with whin				
burns to a							and sulphur near				
white seh 3 5							bottom	0	4	11	
COAL, foul.							Whin (got July 16th,				
and daty me-							through 18th, 6	_	_		
๒ 교 1 3							shifts)	0	0	7	
COAL, wet,							Grey metal stone, with	_	_	_	
and burns to							post girdles	Z	3	U	
a white ash 2 5							Strong white post and			_	
	1	1	1				metal stone parting	Ţ	Đ	Ð	
	_		-	1	3	0	Grey and dark grey metal stone, with				
Dark grey metal (9							post girdles	1	5	•	
inches) and metal							Strong white and grey		J	_	
stone with post gir-		_	_				post	Ω	5	Λ	
dles afterwards	3	0	7				Grey metal stone, with	·	U	٠	
Mistare of whin and							post girdles	0	3	6	
white post (from July 9th to 11th.							Strong white and grey		_	•	
5 shifts)	Δ	•	Λ				post		5	3	
Grey metal stone, with	U	•	U				•				14
post girdles	0	4	9				•				
Whin (got July 12th,	_	-	•								
through 14th, 4											
shifts)	0	1	2				1				
Carried forward	_	2	_	_	1		Total				_

# No. 1,212.—JOB'S HILL.

### TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 49", Long. 1° 43' 46".

Section of Strata sunk through to Main Coal Seam, at Job's Hill Colliery.

Soil and outset Clay, mixed with sand	0	4	0		Brought forward Soft grey metal, with	Pa. 3			y
Sand, with gravel and water				i	post girdles	1	2	3	
Carried forward	3	3	0		Carried forward	4	5	3	

# No. 1,212.—JOB'S HILL.—CONTINUED.

<del></del>							<del></del>
Brought forward		Ft.		Fs.	Ft.	In.	Fa. Ft. In. Fs. Ft. In. Brought forward 0 4 10 20 1 0
	4	5	3				1
Strong post, with me-	_	_					Blue metal, with gir-
tal partings	1	0	4				dles 1 4 0
Soft grey metal	0	4	0				Dark grey metal stone 2 0 0
COAL	0	0	9				Strong post girdle 0 0 8
				_			Metal stone 0 0 6
			_	6	4	4	Strong post girdle 0 0 8
Grey metal, with post							Blue metal stone 0 3 10
	1	3	0				Dide metal stone 0 3 10
	î	ŏ	ŏ				
Strong post	-	_					Harvey Seam-
Blue metal	0	1	8				Ft. In.
Ironstone girdles	0	0	14	Ī			COAL, tender 0 9
Blue metal	0	1	8				Band 0 2
Ironstone girdles	0	0	14				COAL 2 1
Blue metal	0	1	4				0 3 0
Ironstone girdles	0	0	14				5 5 6
Blue metal	Ŏ	Õ	7				5 5 6
	ŏ	ŏ	24				l a
m	ŏ	ŏ					Grey metal and girdles 1 3 0
T	-	_	8				COAL 0 0 1
Ironstone	Ŏ	0	1				Grey metal 0 3 0
Blue metal	0	1	0				Strong post, with
Ironstone	0	0	2				metal partings 3 5 2
Blue metal	0	0	11				
Ironstone	0	0	1				COAL 0 1 0
Blue metal	0	3	3				6 0 8
Ironstone	Ŏ	ŏ	ĭ				
TO1	ŏ	ĭ	9				Strong post girdles,
<b>T</b> .	ŏ	_					with metal partings 2 5 6
	U	0	4				
Blue metal, with iron	_	_	_				
balls	1	1	0				COAL—5/4 or Busty
Blue metal	0	3	6				Seam 0 3 0
COAL	0	0	6				3 3 6
				6	4	3	
				U	-	0	Fire stone 0 1 0
G 114	_		_				1
Grey blue stone	0	4	0				Strong post 6 4 6
Grey blue stone, with							m m a
coal pipes and water	0	0	6				Top or B Seam-
Strong grey metal,							Ft. In.
with water	0	4	6				COAL 2 0
Strong post, with	-	_	-				Grey metal 4 10
him	1	4	6				COAL 1 4
~			_				
Grey metal stone	0	-	0				<b>—— 1 2 2</b>
Fire clay		0	8				8 1 8
COAL, good	0	1 :	11				
			_	4	3	1	Blue metal 2 0 0
			-	-		•	Post 8 0 1
Fire elev	^	•	c				
Fire clay	0	2	6				Main Coal or Brock-
		2	6				well Seam— Pt. In.
Blue metal stone	1	2	2				
COAL	0	0	2				
				2	1	4.	Splint 0 2
•			_	4	I	4	0 4 3
7	_		_				
Grey metal stone		4					10 4 4
Ironstone, not good	0	0 1	LO				
-							
			_	_		_	(Feder)
Carried forward	0	4 1	lo :	20	1	0	Total <u>*54 4 3</u>
							•

<sup>•</sup> Approximate sea level 271‡ feet below this.

# In 15th Allies

# Depuis of Lieux, Merch

# Short M of Ordanne Mag. Lot.

. Lag

# Bord at Edite, in the Book Side, now to and appeals the Church. IS.

Approximate surface level - fact sinere un Ordinance datam).

	1	R	Ļ s	L R		BRERRE
	•	5	•			. Rempie forward 14 0 023 0 0
Boyva Imenime, val						<b>-</b>
ent persons and						Thrus-Quarter Seam-
some fasters of		_				R L
valet	14	1	7			COAL, incl.
	1	2	•			ford spliney 1 0
More meen some with						Green metal.
just čapa a	_	_	_			with scarces
	•	3				afani _ 0 7
	•	1	7			COAL 0 7
White metal	•	•	•			Green metal 1 3
Seey metal, with red		_	•			COAL, food 0 7
	•	0	-			0 4 0
COAL, fori	U	U	•			14 4 0
			_	3 0		13 3 0
	_		— z		v	Grey metal, scared
						with coed 0 1 1
Greg metal, with hard						Black stone, mixed
lumps	2	3	0			with cool 0 1 7
trac zer min						
\$7.5.t	0	3	0			0 2 8
terag white post,						6041 F
mired with whit		0				COAL, coarse—Fine-
Strang grey metal	5	4	6			. Quarter Seam 0 3 7
tering grey post,						In grey metal stone 1 2 3
THE WEST						1 <b>5</b> 10
with water at top	1	3	0			I
free metal stone, with					i	l
post girdles	2	4	0			•
•					- (	l
					1	1
	_				_	
Carried forward		_	~ ~		^	Total 40 0 6

# No. 1,214.—KELLOE.

#### TOWNSHIP OF KELLOB, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

ount of a Boring in Kelloe Estate, in the third Field on the left hand side of the Lane leading from Kelloe to Cassop Hill,

marly limestone				Fs.	Pt.	In.	Fs. Ft. In. Fs. Ft. In. Brought forward 22 2 9 30 3 3
	U	U	U				_
brown lime-							Three-Quarter Seam—
e, with water at			•				Black stone,
fathoms 4 feet			_				scared with Ft. In.
n the surface	17	3	U				coal 2 0
			_	22	8	0	COAL 0 8
							Grey metal 0 5
netal		3	7				COAL, foul 0 1
		1					Grey metal,
metal stone		4					scared with
netal	0	1	0				coal 0 10
nd blue metal		1					COAL 0 5
netal	1	5					Grey metal 0 2
metal	1	2	0				COAL, foul 0 7
g grey metal							Grey metal 0 10
ne and post gir-							COAL 1 1
	2	2	5				•••••
	0	2	7				1 1 1
				8	0	3	23 3 10
							Grey metal 0 0 1
metal stone	0	4	0				Black metal 0 0 5
metal	0	0	3				COAL-5/4 Seam 0 8 9
g grey metal							1
ne, with post							048
iles		4					1
g white post	3	0					Black metal stone,
metal	0	0	6				mixed with splinty
g white post		0					coal 0 1 5
metal		3					Grey metal (left off
		0					April, 1837) 0 1 6
metal		3					0 2 11
metal		3					
metal	0	1	9				1
Carried forward			9	80	8		Total 55 2 3
		_	-			_	

# No. 1,215.—KELLOE.

#### TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43′ 37", Long. 1° 27′ 48".

Account of Strata sunk and bored through in Kelloe Freehold. 1838.

Approximate surface level 440 feet above sea (Ordnance datum).

Fs. Ft. In. Fs. Ft. In	
Sand and gravel 1 2 0	Brought forward 2 1 1 34 2 4
Strong gravelly clay,	Mild parting 0 0 4
with tumbling stones	White post 1 3 9
and sand 13 2 0	Parting 0 0 2
Blue stone, with post	White post 0 5 2
girdles 3 0 0	Parting 0 0 2
Main Coal Seam-	White post 0 3 6 Blue stone 0 2 0
COALFt. In.	
COAL, coarse,	William Common
top 0 6 Band ) (0 04	Delitation
COAL ( cast ) o of	100 the most 1 0 0
Band Sback (0 01	Destina 0 0 0
	With a series
COAL, good 2 94 0 3 64	Blue stone 0 2 0
	and the second s
0	0.00
Blue stone 1 0 0	COAL 0 1 6
DI-1-1-1-1-1	
COAL 0 0 5	11 0 5
	0 Clay 0 3 0
	Grey post 0 3 8
Grey thill 0 2 0	Blue stone 1 2 0
Black stone 0 3 4	COAL-Brass Thill 0 2 0
Grey post 0 3 8	2 4 8
Ft. In.	Clay 0 0 6
COAL 1 5	Blue stone and post
Band 0 3	girdles 0 5 5½
COAL 0 5	Blue metal, with grey
- 0 2 1	post girdle 1 1 10
the state of the s	1 COAL 0 0 6
Grey thill 0 3 0 Grey metal 2 3 5\frac{1}{2}	Thill 0 0 10
TOTAL TOTAL CONTRACTOR OF THE PARTY OF THE P	Grey post 0 3 0
	Blue metal 0 2 8
COAL—Low Main 0 3 0 10 0 8	White post, with part-
10 0 8	- lugs 1 1 0
Grey thill 0 3 0	COAL 0 1 1
Grey metal post, 1 3 0	Thill 0 1 0
COAL (April 21st,	Blue metal, with post
1838) 0 1 0	girdles and blue
2 1	0 stone 1 0 II
m. 1. 1 21 2	White post
Total sunk 34 2	4 Blue metal
and a standard as	Strong white post
Bored further in	Strong white
1839 :	with partings
Mild grey post 0 1 9	off boring, Au
Blue stone 0 2 0	8th, 1840)
White post 1 3 4	
Carried forward 2 1 1 34 2	Total Total
Carried forward 2 1 1 34 2	Total

# No. 1,216.—KELLOE.

#### TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43′ 36", Long. 1° 27′ 49".

# An Account of Strata sunk through at Kast Hetton or Kelloe Colliery North Pit. 1836.

	PL	Pt.		Ps.	Pt.	In.	1	Fa.	Pt.	In.	Fa.	Ft.	In
Soil and gravel	1	1	2				Brought forward				56	1	4
Limestone and marl	_1	0	0				Five-Quarter Seam-						
Limestone		0	0				Ft. In.						
Grey metal stone	0	_	10				COAL 8 11						
drey whin girdle	0	_	10				Splint 0 2						
Red metal stone	1	0	0				COAL 0 8						
Red whin girdle	0	0	6				Splint 0 2						
Red metal stone 📋	1	5	6					0	4	6			
Red post stone	0	3	0				İ			_	0	4	(
Red whin	0	2	3				Black stone, with						
White post and water	0	0	9				partings	0	2	8			
Blue metal	1	4	6				COAL	0	0	8			
Black stone	0	4	0				Black stone	0	0	8			
OAL	0	0	2				Grey metal stone	3	0	11			
				33	3	6	COAL, coarse	0	2	8			
Thill	0	4	0								4	1	- 1
Blue metal stone	1	0	0				Grey post stone	1	5	4			
OAL	0	0	6				Dark blue stone	0	4	0			
	_			1	4	6	Main Coal Seam-						
Thill	0	4	0			-	Ft. In.						
rey metal stone (2	_	-	٠				COAL, top 1 8						
feet into it is a							Stone band 0 6						
wedging crib)	9	0	9				COAL 2 10						
Thite post, with metal		٠	•				·	0	4	7			
partings and water		2	0				1				3	1	1
	-	ī	ĭ				Thill	0	2	10			
	_	4	ō				Grey post	0	2	0			
• •	ŏ	0	3				Grey metal	1	5	2			
	-	U	3				Black stone and coal	0	1	9			
rey metal, with post girdles	0		0								2	5	1
	ŏ	2 2	8				Thill	0	0	6			
Black stone			4				Grey metal, with	3	1	5			
hill stone	0	0	6				post girdles	O	4	5			•
'hree-Quarter Seam—	_						Grey post	2	2	6			
Pt. In							Metal partings	ō	ō	3			
COAL 0 10							Whin stone	ŏ	ĭ	ĭ			
Thill 1 4							Strong white post	ĭ	î	6			
COAL 1 0							COAL - Maudlin	•	-	٠			
Thill 0 2							Seam	0	1	2			
COAL 0 3							, Stam	_			8	0	1
Thill 0 7							Thill	0	1	6	٠	٠	-
COAL 1 0							White post	ŏ	2	ŏ			
Thill 0 2							Strong grey metal	ĭ	5	8			
COAL 0 3							Black stone and coal	ō	1	7			
Thill 0 2							DIRCK Stolle Blid Coat	U	1	7		4	
	0	5	9				84		_	_	2	4	
			-	20	5	4	Strong grey metal	1	2	1			
							Blue metal	1	4	0			
							Post girdles	Õ	ō	4			
							Grey metal	0	1	0			
Carried for	rwar	d		56	1	4	Carried forward	3	1	5	78	2	-

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,216.—KELLOE.—CONTINUED.

	7r			7s. J					n i
Brought forward		1		75	2	5	Breeght forward	5	1
White past	Ō	2	1				Hettes Seem P. In.		
Grey post and water	Ö	4	5				COAL . 2 10		
White post girdles		1	0						
Grey post	0	3	6				Spaint 0 2		
White past and water		4	6				COAL 0 1	_	
Whin		1	Ž					0	3
White post	2	Z	10				_	_	
COAL - Le Meis		_					Strong grey post	0	
Seam	. 0	2	4		_	_	Grey metal stone	2	5
				10	5	6	Grey post	0	3
Black stone	0		10				Dark metal		3
White thill stone	-	2	5				Strong metal stone	2	5
Post		5	1				Brown metal	0	0 1
Whin		0	8				COAL	0	0
Grey shivery stone		3	8						
Grey metal		5	0				Metal stone and post		
Grey post		2	5				girdles	2	0
Blue metal		4	2				Strong, with sul-		
	. 2	0	11				phur	1	5 1
Grey metal		5	0				Grey metal stone	0	4
Post girdles		1	5				COAL	0	0
Grey metal	. 0	2	11						
Pat	. 0	2	3				Dark grey metal	6	3
Grey metal	. 0	2	3				Grey post and part-		
Grey post	. 0	3	1				ings	1	0
Grey metal	. 0	0	7				Grey metal	0	4
Grey post	. O	5	9				White post	0	1
Grey metal	. 0	Ż	0				Dark metal, mixed		
Black stone	. 0	0	3				with coal	0	1
COAL—Brass This	7						Strong grey metal	0	3
Seam	. 0	2	2				Whin	0	0 1
				16	5	4	Grey metal stone	1	0
Brass	. 0	0	1				Dark metal	0	0
Dark thill stone	0	0	4				COAL, a little tender		
White post	. 1	2	6				and makes a good		
Grey post	. 1	1	6				cinder - Harrey		
Grey metal, with iron							Seam	0	3
	. 2	1	4					_	
	0	1	3						
	_			_		_			
Carried forward	5	1	0	106	1	6	Total		

# No. 1,217.—KELLOE.

#### TOWNSHIP OF KELLOE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 44′ 54″, Long. 1° 25′ 50″.

Strata bored through in the low part of Kelloe Royalty. 1!

Approximate surface level 460 feet above sea (Ordnance datum).

Soil Gravel and clay mixed Good clay	0	1	0	•	Brought forward Clay and marl mixed	1	
Carried forward	1	3	-8		Carried forward	2	2

# No. 1,217.—KELLOE.—Continued.

Danmak farmand				Fs. F	i. In	
Brought forward		2 1	0			Brought forward 10 0 0 55 3 10
Marly limestone Brown limestone	24 24	1	0 3			Red metal 0 2 4   White post 0 2 1
D1 1'		2	0			The state of the s
D 1	0	_	-			arej metar III
Dark metal	0	0	.6			White post 0 1 8
Blue limestone	2	0	11			Red post 2 0 10
Dark metal	0	1	1			Whin 0 2 5
Blue limestone	0	5	2			White post 1 0 5
Dark metal		0	3			Grey metal, with post   6 2 11
Blue limestone	1	1	8			girdles \ 4 3 2
T) 1 4 3	_	_		55 3	3 10	Detong white post 0 2 v
Dark metal	0	2	ō			Dark grey metal 0 0 10
Post girdle	0	0	5			Black stone 0 0 3
Dark metal	0	1	5			Grey metal 0 1 9
Post	0	2	9			Three-Quarter Seam—
Grey metal, with gir-	_	_	_			Black stone,
dles	0	2	8			mixed with Ft. In.
Post	0	0	8			coal 0 9
Grey metal	0	1	5			COAL 0 3
Post	0	0	7			Soft band,
Grey metal	0	3	1			mixed with
Red metal	0	4	4			coal 0 44
Post	0	0	7			Stone band 0 4
Grey metal	0	0	9			COAL 0 3
Red post	0	2	6			Stone band 0 21
Grey metal	0	0	8			COAL 1 34
Dark post	0	2	6			Stone band 0 31
Grey metal	0	2	5			COAL 1 0
Red metal	0	3	5			Stone band 0 3
Blue metal	0	3	4			— 0 5 0 <del>1</del>
Red post	2	1	7			27 1 7
Whin	0	2	0			COAL-54 Seam 0 8 61
White post	1	1	9			Soft thill 0 0 9
Brown metal	0	0	9			0 4 3
White post	0	0	5			
Carried forward	10	0	0	55	3 1	Total 83 3 9

# No. 1,218.—KELLOE.

# TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43′ 36", Long. 1° 27′ 48".

Account of Strata sunk through at Kelloe New Pit. Commenced to sink April 14th. 1856.

Fs. Ft. In. Fs. Ft. In	Fs. Ft. In. Fs. Ft. In.
Soil 0 1 0	Brought forward 45 1 64
Clay and gravel 2 1 6	Blue limestone 0 2 8
Marly limestone 19 0 3	Blue and yellow lime-
Yellow honeycomb	stone 3 5 1
limestone 23 4 91	Yellow limestone 1 2 11
Carried forward 45 1 6½	Carried forward 51 0 2½

<sup>•</sup> Approximate sea level (Ordnance datum).

THE RESIDENCE OF THE PERSON NAMED IN Section 5 : 15 16 金田 おおままちま Margaritement in 19 to Street, Square Street, Section in 21 HOS SOL The same has Witness - Fifth ---STREET 326 STEEL. - - -Street, or other Designation of the last o - 9 313 STATE OF THE PERSON. ------- 100 - 0 62 211 Swippeder Seas 一张五年 ----1 1 3 Strong grey boths \_ + 1 0 州兰东 823 \*\* 工作类 The state part with 0 1 10 THE DESIGN - 000 0 230 Goes post, with Mark partings — — — White past — — - Section grile - - 1 2 4 Garger - - 0 1 4 COAL-Main Chal 0 3 3 Thill stone and med. 2 1 2 - 010 National -Strong grey metal \_ 1 2 0 

OF STREET OF THE STREET OF

200

#### So. 1.219.-KENTON.

DESCRIPTION OF SERVICE, PORTSTRUCKLARD.

See 28 of Grimmer May. Lat. 54° 39' 34", Long. 1° 40' 6".

Baring in Bound Main Coul, in Kenton in Smell Browny Clime, about 29 years food Long Riggs and the unit Field, a Feeling and Kenton, South of Dyke.  Representate surface level 204	red : No	to Farm occupied by Wm. Many between the corner party of the Boundary between the datum).
White post, with white 0 2 6	C	Pa Pt Iii 2 5 0 0 0 4

# No. 1,219.—KENTON.—CONTINUED.

nght forward			In.		Ft. 1		Brought forward				7	P	<u>ት</u>
me	0	3	2				COAL	0		-			
t	1	5	0					_		_	15	2	•
ie	2	4	0				Black stone	4	3	•			
t	2	0	Ü				Grey metal stone	4	2	·J			
white post,	_	-	-				Strong brown per						
ater	2	3	0				with metal partings	9	-	ij			
t	ō	5	ŏ				COAL						
white post,	٠	•	٠					_			3	2	1
black metal							Grev metal #250	1	3	34	_	_	-
	5	Λ	Λ				Benwell Mais Con	•	_	•			
<b>78</b>	ň	ĭ	4				Seam - P. S.						
t ost. with coal	U		-				COAL						
	^	4	u				Black street 0 3						
ınd water	ŭ	*	0				COAL 3 5						
»t	z	3	U				, COME 3 5						
white post.	_	_	_					-	•		_	_	
with whin	0	3	O				1			_	3	7	-
							In soft black mean				•	1	4
ried forward	19	2	2	2	5	10	T.cal			_	K	_1	_

# No. 1,220.—KENTON.

#### TOWNSHIP OF KENTON, SORTETMERLETS

Sheet 88 of Ordnance Map. Lat. Long.

at Kenton, from the Thill of the Fire- Grant or Francis from and boson in the Frances Pit Shaft, North of the Lynn.

Approximate surface level. Last store and interest to the province of the store and interest to the store and interest to the store and the store are stored as the store and the store and the store are stored as the store and the store are stored as the store and the stored are stored as the stored as th

Approxima	te	suri	face	le	el		feet auro was on	inanes (ac.	SEE				
the seam thill rhite post grey metal white post tal stone with water	0 1 0 0 2	4 4 2 3	0 0	32		Ia.		o eth 3	i	in	a a	ž	•
one, with post s ixture st tal stone Pt. In 0 6	3 0 1 0	1 1 0	 6 3	5	•	, <i>9</i>	Training white y  Lower group that,  COAL  (prom that and  COAL first  (prom that at and  Coac that at and  (prom that at and	no j				. 40	:
etal 0 2 0 8	- 1 - 1		. 1 . 1		; ; <u>*</u>	≩ 1; 1	State date of the second of th	ennt e morrat igner e gree e green e green	i .	. !			
		đ		4	6;	Ż	- Server !	rews.	•	۷,	ن ،		<i>د</i>

#### No. 1214. - TELLOW - COSTISCIO.

More and pollow innerestance   1	Danmater Comment	天产业大产业	RRERE Carried Surveyed 25 4 2 55 3 G
Tellow shaly lime		31	
Tellow shaly lime   Sime   S	•	2 6 73	Pa la
Strong   Strong   Strong grey metal   Strong grey post, with black partings   Strong grey post   Strong grey post   Strong grey metal   Strong grey metal   Strong grey metal   Strong grey metal   Strong grey post   Strong grey metal   Strong grey post   Strong grey metal   Strong gre		7 7 2.	COAL I 4
Durk metal   0   1   1   1   1   1   1   1   1   1	•	464	
Derit metal			COAL + 3
Dark metal		35 3 fg	
Second   S	famir mani	A 2 TM	COAL + 6
Strong metal			
Second   S			
Prost girelies			
Prof. girelies   Prof.   Pro			COAL 0 Ti
Red   netal.   with   whin   girdlen   1   0   1   1   1   1   1   1   1   1			
Services			
Second			Bend . 0 3
Red shale post   2 5 7			
White post			<b> 27 3</b> 1
Brown with   0 2 0   Solint   0 14	White area	6 7 6	
Hard   post,   with red   searce   1   2   0			
Red meral   0 0 5   0 0 0 5   0 0 0 0			
Red metal			
Red girdle       0       6       5         Red metal       0       2       6         White pat       0       2       9         Grey metal       0       0       4         Red pat       2       4       5         Brown whin       0       2       6         White pat       0       5       0         White pat       0       5       0         Blue metal       0       3       1         Grey metal       0       5       0         Grey metal       0       5       0         Dark metal       1       3       9½         Grey metal and pat       0       1       2         girdles       7       3       0         White pat       0       1       4         Black stone       0       0       10         Thill stone and coal       2       1         Thill stone and coal       2       1         Strong grey metal       1       2			
Red metal			
White pat       0       2       9       Strong grey metal       4       2       0         Grey metal       0       0       4       6       Grey post       0       1       1         Become whin       0       2       6       6       6       0       1       2       8       1       1       2       8       1       2       8       8       1       2       8       8       9       1       2       8       9       1       2       8       9       1       2       8       9       1       2       8       9       1       2       8       9       9       1       2       8       9       1       2       8       1       2       8       9       1       2       8       1       2 <td></td> <td></td> <td></td>			
Grey metal       0       0       4       Grey post       0       1       1         Red post       2       4       5       Thin stary post, with black partings       0       1       10         Brown whin       0       2       6       Strong grey post, with black partings       0       1       10         Blue metal       0       3       1       whin       0       2       10         Grey metal       0       5       0       Grey post, with whin       0       2       10         Grey metal       0       5       0       Grey post, with whin       0       2       10         Grey metal       0       1       3       9½       White post       0       5       0         Grey metal       0       7       3       0       Grey post       0       2       1       7         Grey metal       0       1       4			
Ref prat   2 4 5   This stary post, with black partings   0 1 10			
Brown whin   0 2 6			
White part       0       5       10       Strong grey post, with         Blue metal       0       2       1       whin       0       2       10         Grey metal       0       5       0       Grey post, with black       partings       1       2       8         Blue metal       0       5       0       4       2       1       2       8         White post       0       1       2       8       1       2       8         White post       0       1       4       4       1       2       1       7         White post       0       0       1       4       4       1       2       1		7 7 1	
Blue metal   0 3 1   whin   0 2 10			
Grey metal       0       5       0         Dark metal       1       2       4       21         Grey metal and post girdles       7       3       0       0       1       2       8         White post       0       1       2       1       7       3       0       0       0       3       3       3         White post       0       0       1       4			A 9 10
Dark metal		I I 7	
Thill stone and coal 2 1 2   Strong grey metal 1 2 0   Strong grey metal 2	•		
Grey metal and post girlles     Grey post 2 1 7       girlles 7 3 0     COAL — Meia Coal 0 3 3       White post 0 1 4     Hack stone 0 0 10       Blue metal 0 1 9     Strong grey metal 1 2 0	Dark metal		
girdles      7     3     0     COAL — Main Coal     0     3     3       White post      0     1     4		2	
White post        0       1       4         Black stone        0       0       10       Thill stone and coal        2       1       2         Blue metal        0       1       9       Strong grey metal        1       2       0			
Black stone 0 0 10 Thill stone and coal 2 1 2 Blue metal 0 1 9 Strong grey metal 1 2 0			
Blue metal 0 1 9 Strong grey metal 1 2 0			
	1 .		
	Bine metal	019	Strong grey metal 1 2 0
Carried forward 26 4 2 55 3 64 Total 101 3	Carried forward	26 4 2 55 3 GL	Total 101 3 8

#### No. 1,219.—KENTON.

#### TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 54° 59′ 34″, Long. 1° 40′ 6″.

Boring to Benmell Main Coal, in Kenton Estate, on the Farm occupied by Wm. Mason in North Broomy Close, about 28 yards West of Fence between the corner part of Kouth Long Riggs and the said Field, and 76 yards North of the Boundary between Fenham and Kenton, South of Dyke. November 1789.

Clay White post, with whin	Pa. 2 0	Pt. 3 2	In. Ps. Ft. In. 0 6	Brought forward		6 <b>4</b>		
Carried forward		_		Carried forw el (Ordnance datum).	ard	2	5	10

# No. 1,219.—KENTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.		Ft. In. 5 10	Fs. Ft. In. Fs. I Brought forward 19 2 2 2	t. In 5 10
Black stone	0	3	2			COAL 0 0 6	
Grey post			0			<del></del>	2 8
Blue stone	2	4	0			Black stone 4 3 0	
Grey post						Grey metal stone 4 2 0	
Strong white post,						Strong brown post,	
with water	2	3	0			with metal partings 0 4 0	
Grey post	0	5	0			COAL 0 0 9	
Strong white post,						9	3 9
with black metal						Grey metal stone 1 5 10	
partings	5	0	0			Benwell Main Coal	
Grey post	0	1	4			Seam — Ft. In.	
Brown post. with coal						COAL 1 0	
pipes and water	0	4	8			Black stone 0 9	
White post	2	3	0			COAL 3 6	
Strong white post,						0 5 3	
mixed with whin	0	3	0			2	5
						In soft black metal 0	0 8
Carried forward	19	2	2	2	5 10	Total 35	0 (

#### No. 1,220.—KENTON.

#### TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

# Bored at Kenton, from the Thill of the Five-Quarter or Newbiggin Stone Coal Seam, in the Frances Pit Shaft, North of the Dyke.

Sunk to the seam	Ps.	Ft.	In.	Fs. 32		In. O	Fs. Ft. In. Brought forward	Fs. 46		In.
Box and thill	0	4	0	-	-	•	Grey metal stone, with	=0	~	٠
Strong white post	ĭ	4	-				black scames 2 5 0			
Strong grey metal	-	-	·				Strong white post 1 3 0			
stone	0	4	0				COAL 0 1 0			
Strong white post	Õ	2	Ŏ					4	3	(
Grey metal stone	2	3	Ō				Grey metal 0 1 0	-	•	`
COAL, with water	0	0	6				Grey post 0 1 6			
	_			5	5	6	Strong white post 1 0 0			
Grey stone, with post							Dark grey metal 0 1 11			
girdles	8	1	6				COAL 0 0 4			
Whin mixture	0	1	3				Grey metal stone 2 4 4			
Grey post	1	0	0				COAL, foul 0 0 4			
Grey metal stone	0	5	10					4	3	
COAL 0 6							Grey metal stone 0 1 3			
Grey metal 0 2							Black slaty metal,			
COAL 0 8							scared with coal 0 1 0			
	0	1	4				Strong grey metal			
	_			5	3	11	stone 5 2 11			
Grey metal stone	1	0	0	-	_		Strong white post, with partings and			
Strong white post	1						a mixture of whin			
COAL	Ö						in several places 12 3 0			
	_			2	1	0	in several places 12 3 U			
Carried for				46	2	5	Carried forward 18 2 2	 55	_	10

#### No. 1,220.—KENTON.—CONTINUED.

					P.						Ps.		
Brought forward				55	2	w	Brought forward	7	4	6	90	5	6
Grey metal	0	2	0				Grey metal, with a mix-	_		_			
Grey metal stone, with	_	_	_				ture of coal at bottom	0	1	6			
girdles	Z	0	0				Grey metal stone		2	2			
Strong white post, with whin girdles,							COAL, with water	<u> </u>	0	10	8	3	0
scamy partings, and							Grey metal	0	0	6			
water	5	1	7				White post		1	6			
Benwell Main Seam-							Grey metal	0	2	6			
R is							Whin	0	0	4			
COAL . 2 5							Strong white post,						
Black slaty							with metal partings	0	3	0			
metal mixed							Whin	0	1	Ó			
with coal 0 3							Strong white post	0	2	0			
COAL, foul							Grey metal stone, with	•					
slaty 1 0							hard girdles or						
	Ó	3	8				lumps and a soft						
	_		_	26	3	5	parting with water	1	3	6			
Grey metal	1	3	0	~	•	•	COAL		ŏ	8			
Strong white post	5		ğ				1 002	_		_	3	3	٨
Black grey stone	2		ŏ				Grey metal stone	Λ	Λ	4	•	•	٠
Pt. In.	-	•	•				Strong grey and white	٠	•	-			
COAL 0 9							post	0	1	6			
Blue grey metal 0 5							Grey metal stone, with	v	-	U			
COAL . 0 4							l , , , , , , , , , , , , , , , , , , ,	Λ	5	c			
COAL U I	0	1	6							Ö			
	U		U	8	5	•	Whin	0	4	2			
D1	_	-		0	3	9		U	-	Z			
Blue grey metal		3					Strong white post,						
Strong white post	0	*	7				mixed with whin	1	2				
Grey metal stone, with	^						Blue metal	U	3	U			
girdles	Ŏ		8				Mixture of whin gir-	^	_				
Strong white post	0	1	3				dles or lumps	0	-	4			
Grey metal stone, with	_	_	_				Blue metal	0	0	10			
girdles	3	3	0				COAL — Beaumont	_	_				
Grey metal, with scares	_	_	_				Seam	0	3	10	_	_	_
of coal		2						_		-	5	3	0
Grey metal stone	1	3	6				Grey and blue scamy				_	_	_
							metal stone				0	ı	6
	_			_		_				-		<del></del> -	
Carried forward	7	4	6	80	5	6	Total			]	108	4	0

# No. 1,221.—KENTON.

#### TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Boring from Thill of Seren-Quarter or Kenton Main Coal, within Wagonway Drift, by Messrs. Bedlington and Partners, through that seam to East Kenton Colliery, about 140 yards West of Boundary between East and West Kenton. November, 1793.

Fs. Ft. In. Fs. Ft. In. Strong grey post     0 2 0	Brought forward 1 0 0 Grey post, mixed with girdles and water 1 3 0
Carried forward 1 0 0	Carried forward 2 3 0

# No. 1,221.—KENTON.—CONTINUED.

Brought forward Grey metal stone Grey metal stone, with post girdles COAL, slaty Dark grey metal	2 4 3 0	3 0 3 1	0 0 0 10		Ft. In.	Brought forward 4 0 2 10 1 10  Strong white post, with water 0 5 0  Metal stone 0 1 6  Strong white post 0 5 0  White post 0 5 0  Metal stone 0 1 6  Metal stone 0 4 6
Dark grey metal White post						COAL, good 0 3 2
Strong grey metal stone, with a post	•	•	Ŭ			7 2 10
girdle Metal stone	1 2	1 0	6 0			In grey metal stone, entering white post 0 2 4
Carried forward	4	0		10	1 10	Total 18 1 0

# No. 1,222.—KENTON.

#### TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

, Long.

Bored in East Kenton, from Thill of Seven-Quarter or Kenton Main Coal, in an old Shaft, in Town Street of East Kenton, to Five-Quarter Coal.

November 18th, 1796.

Fs. Ft. ln. Fs. Ft. In.	Fs. Ft. In. Fs. Ft. In.
Sunk to 7/4 Seam 46 3 0	Brought forward 60 3 2
Box 0 4 0	Grey metal stone 0 5 0
Soft rambly metal 0 3 0	Whin 0 1 0
Black stone, mixed	Grey post 0 1 4
with coal 0 0 10	Whin 0 1 2
Grey metal, with gir-	Grey metal and girdles 4 3 3
dles 3 4 0	Black stone 0 0 9
viri: 0 1 0	
Whin 0 1 0	COAL—lower part of
Grey metal and metal	5/4 Seam 0 0 4
stone, with girdles	6 0 10
and water at 9 fa-	Blue metal 0 4 0
thoms 8 4 2	Black metal 0 0 9
COAL, hard, sup-	White post 0 1 2
posed 5/4 Seam 0 1 2	Blue metal 0 1 8
	1
60 <b>3 2</b>	1 1 7
Carried forward 60 3 2	Total 67 5 2

# No. 1,223.—KENTON.

#### TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 48", Long. 1° 40' 25".

Bored in West Kenton in James King's Farm, in Weaver's Close, 3 yards South of the Fence between the Kenton and Burradon Estates, and 12 yards East of Fence between the said Close and the Newcastle Turnpike Rood. May 28th, 1794.

Fr. Pt. In. Fr. Pt. I	in.	D	Fa.	Ft.		Fs.		
Soil and gravelly clay,		Brought forward				23	3	10
with tumblers 1 2 0		Black grey metal,	_	_	_			
Soft grey metals 2 2 0		scared with coal	_	2				
Black metal 0 1 0		COAL	O	0	6			
Grey metal stone 0 5 4						0	2	ß
COAL, foul 0 0 4		G 4.1	_		_	•	-	•
Grey metal stone, with		Grey metal	0	Ţ	U			
girdles 0 3 4		Grey scamy post, with	_	_	_			
Brown and grey scamy		partings and water	2	3	0			
post, with partings		Strong grey metal						
and water 6 3 6		stone, with post gir-						
Grev metal stone 0 1 6		dles and water						
COAL 0 0 7		Grey metal	0	0	2			
Dark grey metal 0 0 9		Five Quarter or New-						
Grey post 1 5 0		biggin Stone Coal						
Grev metal stone 4 1 6	1	Seam- Ft. In.						
COAL 0 1 4		COAL 0 7						
*		Blue grey metal 0 6						
18 4	z	COÀL 0 9						
Grey scamy post, with		Black metal,						
girdles 0 3 0		scared with						
Grey metal stone, with		coal 0 9						
girdles 3 1 10		COAL 2 2						
Pt. In.			_		_			
COAL 4 11			0	4	9			
Black grey me-					_	13	1	5
tal 0 8		G4-1	^	^			_	_
COAL, foul,		Grey metal	U	U	Ð			
slatv 1 3		Strong grey metal,	_		• •			
•		with scares of coal	U	U.	ΙŪ			
<b>— 1 0 10</b>						0	1	5
<del> 4</del> 5	8					-	_	
	٦							
	_							
Carried forward 23 3 1	10	Total	_			37	3	(
			•	-•	=	÷		=

<sup>•</sup> Approximate sea level 19 feet below this.

#### No. 1,224.—KEPIER.

#### TOWNSHIP OF ST. GILES, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46′ 50′, Long. 1° 32′ 57″.

Strata sunk through at Kepier Colliery, near Durham.

Approximate surface level 293 feet above sea (Ordnance datum).

			Fs.			Fs.	Ft.	In.	Fs. Ft. In. Fs. Ft. In.
Outset		•••	1	0	0				Brought forward 43 5 11
Clay	• • •			0	0				Bored in 1818:
Sand			2	0	0				Blue metal 2 1 0
Clay			12	5	0				Post girdle 0 1 0
Sandstone			13	2	0				Blue metal 0 1 4
COAL -	Low I	Main							White post 2 0 0
Seam			0	3	0				(010
						30	4	0	Blue metal and $coal$ $\left\{\begin{array}{c c} 0 & 1 & 3 \\ \hline 0 & 2 & 3 \end{array}\right\}$
Blue metal			4	0	0				Post 0 8 0
COAL-B	rass	Thill							Grev metal 3 0 0
Seam			0	1	2				Duri 1 0 0
		• • • • • • • • • • • • • • • • • • • •		_		4	1	2	COAL, left off in
Blue metal	in v	vhich				_	_	_	(being stopped by
are two s									water issuing out
of coal, e	-		5	Б	0				the whole size of the
Whin stone			ŏ	5 3	ŏ				3-2
Black stone			1	4	R				hole, and flying 2 feet above the top
Post girdle			ñ	ī	6				
Blue metal		•••	ŏ	ñ	10				of the hole; a plng
COAL—I			-		ii				was put in and a
OUNE-1	LHILUN	Deum			11	9	0	9	prop set upon it to
						0	U	0	keep it down) 0 0 3
									9 5 4
	Carri	ed for	war	d		43	5	11	Total 53 5 8

<sup>•</sup> Approximate sea level (Ordnance datum).

#### No. 1,225.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Strata sunk through in the Engine Pit, Kepier Colliery.

Fs. Ft. In. Fs. Ft. In.  Loose metal, with large stones in it 3 0 6  COAL, coarse—Brass Thill 0 1 0  Thill stone 0 1 10	Brought forward 3 3 4 Dark blue stone 2 0 2 COAL 0 0 10 Thill stone 0 2 8 COAL 0 0 8	t. In
Carried forward 3 3 4	Carried forward 6 1 8	

# No. 1,225.—KEPIER.—Continued.

Fr. Fr. In. Fr. Fr. In. Brought forward 6 1 8	Fs. Ft. In. Fs. Ft. In. Brought forward 13 0
Thill stone 0 1 8	Thill stone 0 1 0
Blue stone and post	Post stone, much bro-
girdles 0 4 8	ken, with trouble 1 5 4
Post stone 2 2 3	Blue stone 1 4 0 Grey metal 2 2 0
Dark grey metal stone 2 3 3	Grey metal 2 2 0
Hutton Seam—	6 0 4
Pt. In. COAL, good 3 10 COAL, bottom 0 10	!
0 4 8	
<del></del> 13 0 2	
Carried forward 13 0 2	Total 19 0 6

# No. 1,226.—KEPIER.

#### TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata sunk through at the Kepier Colliery New Pit, about a mile and a quarter North of Durham.

Earth and clay				Pa.	Pt.	In.	Brought forward	Fa.	Ft.	In.	Fa.	Ft	In.
Quicksand							COAL—Brass Thill	Ð	*	U	26	Z	10
Loamy blue clay							Seam	0	1	0			
Strong blue clay and							_	_		-	5	5	0
gravel beds	16	0	0				Blue stone	0	3		•	•	•
Freestone	7	0	0				Whin, with a large			-			
COAL - Low Main							feeder of water	0	4	0			
Seam	0	2	10				Blue and grey metal	6	3	Ō			
				26	9	10	Post girdle	0	1	0			
	_				-	10	Blue metal	0	0	10			
Thill stone	0	4	0				COAL—Hutton Seam	0	3	10			
Thill stone Grey metal	5	0	0				-				8	3	8
							In grey metal girdles				5	0	
Carried forward	5	4	0	26	2	10	Total		• . •		45	5	 

# No. 1,227.—KEPIER.

#### TOWNSHIP OF ST. GILES, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

Account of Strata taken in Kepier Pit by R. Elliott. when taking the Brattice out.

April 1st, 1822.

Approximate surface level feet above sea (Ordnauce datum).

Soil		Fs.	Ft.		Fs.	Ft. In.	Fa Ft. In. Fa Ft. In. Brought forward 6 2 0 12 1 10
Clay mixture .		5	1	2			Blue stone 0 1 3
~ · · ·		3	2	8			Ironstone 0 0 10
Blue stone		2	3	ŏ			Blue stone 3 0 2
COAL		ī	0	O			Coarse ironstone 0 1 0
					12	1 10	Blue stone 15 0 6
Thill		0	3	6			COAL 008
Blue stone		0	4	6			25 0 5
Coarse ironstone .		Ō	1	Ö			Thill 0 3 0
Blue stone	••	4	2	0			Blue stone, top of
White post		Ō	3	Ō			water 0 4 0
<b>F</b>			-	-			1 1 0
Carried forward		6	2	0	12	1 10	Total 38 3 3
		-					

# No. 1,228.—KEPIER.

#### TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47′ 33″, Long. 1° 32′ 33″.

An Account of the Boring in Kepier Royalty, near the river side, in the wood near the Old Engine Pit. by George Stott. 1852.

Rubbish Grey post Grey metal girdles COAL—Brass Thill Seam	3 1 2		0 0 6		Ft.		Brought forward 8 5 9 7 5 6  Hutton Seam — Ft. In.  COAL 4 0  Grey metal 0 2  COAL, coarse 1 0	
Grey metal	0	4	0	7	5	6	0 5 2	
Grey post							9 4 11	L
COAL	0	0	6				Grey metal 2 4 0	
Grey metal post girdles	2	0	0				COAL 0 0 6	
Grey post	2	4	0				Grey metal stone 3 4 0	
Grey metal		1					White post 3 1 0	
Grey post	0	2					Grey metal 0 1 0	
Grey metal girdles	1	4	3					
Carried forward	8	5	9	7	5	6	Carried forward 9 4 6 17 4	

# No. 1,228.—KEPIER.—CONTINUED.

Brought forward COAL Strong grey post	9	4	6	Fs. 17	Ft.	In 5	Brought forward 17 3 8 54 2 7 Grey metal 1 2 6 COAL 0 1 8
Grey metal girdles } - COAL—Harvey Seam	6	1 1	11 8		_	•	Grey metal 0 8 0
1201 VOJ SOUM	_	_	_	20	2	2	Grey post 0 3 0 Grey metal 2 1 0 Grey post 0 3 4
		1 0 1	6 6 0				Dark metal 0 2 6
Grey metal, with post girdles	1	3	0				Busty Seam— Ft. In. COAL 0 8 Metal, with coal 2 8
White post COAL	0	1	0	16	2	0	COAL 2 1 0 5 5
	1	0	_ o	10	z	U	Dark metal 0 1 3 Left off in strong post 0 1 6
White post, mixed		4					. — 5 8 0
	_		_			_	
Carried forward	17	3	3	<b>54</b>	2	7	Total <u>79 1 0</u>

<sup>•</sup> Approximate sea level (Ordnance datum).

# No. 1,229.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat.

, Long.

Strata sunk through in No 2 Shaft, Florence Pit, Kepier Colliery. 1874.

Soil Gravel			0	2	0 3	Fa. Pt. In.	Fr. Ft. In. Ft. In. Brought forward 18 2 0 Hutton Seam—
Sand	•••	•••					Ft. In.
Clay	•••	•••	10	-	0		COAL 4 0
Post		•••	2	0	4		Seggar 0 6 COAL, bot-
Blue metal			0	4	0		COAL, bot-
							tom 1 0
							0 5 6
							——————————————————————————————————————
					_		
Carried	l forwa	ırd	18	2	0		Carried forward 14 1 6

No. 1,229.—KEPIER.—Continued.

Brought former	Fs.	Ft.	In.		Ft. 1		Brought forward			In. Fr		
Brought forward	^	-	-	. *	1	U	1	_	4		, 1	V§
Grey metal	0	5	0				Seggar	0	2	0		
Post girdle	0		0				Strong white post,	_		_		
Grey metal	0	5	0				with metal partings	-	4	_		
Mild post, with metal							COAL	0	0	14		
partings	2	0	1									- •
White post	0	2	5							— 2	4	6
Dark leafy post	0	3	2				i					
Soft grey metal	2	Ŏ	4				Mild grey post	1	3	9		
Post, with metal part-	-	٠	-				Black stone	õ	ŏ	4		
	0	4	0				1 _	3	ŏ	ō		
ings	-	_					Strong grey metal	_	-	•		
Soft blue metal	0	4	7				Soft grey metal	1	0	0		
Black stone	0	1	4				Post, with metal part-	_	_			
Strong white post,							ings	1	3	0		
with water	1	3	5				Very strong white					
Light grey metal	0	1	11				post	2	5	0		
	Ŏ		91				Strong white post,					
· · · · · · · · · · · · · · · · · · ·	ŭ	•	03				mixed with whin	2	2	0		
				10	3	0}		ĩ	4	6		
					•	9	Strong white post		4	O		
_	_	_					Strong white post,		_	_		
Seggar	0	0	11				mixed with whin	4	0	6		
Mild grey post, with							Post, with ironstone					
metal partings	2	1	6				balls	0	2	0		
Strong white post	0	4	7				Strong white post	1	4,	6		
Strong grey metal,	•	_	•				Grey metal	_	Õ	61		
	0	3	7					v	v	O4		
with post girdles							Busty Seam-					
Light grey metal	0						COAL 0 03	L				
Black stone	0		51									
Light grey metal			0				Grey metal 0 10					
Black stone	1	3	0				Black stone,					
COAL	0	0	10				with thin					
						_	pieces of					
				7	2	5	coal 0 8					
							Grey metal 0 3					
Seggar	0	4	0				COAL 1 8					
Light grey metal	0	1	3					Λ	3	6 <del>1</del>		
CÔAL	_							v	U	Oğ		
OORL	·	٠	-9		_					2	05	8
	_			0	5	7 <u>₹</u>	1					
						-	Seggar, with ironstone					
Black metal	Λ	0	7				balls	0	2	3		
			5				Grey metal, with iron-	_		-		
Strong grey post							stone balls	0	3	9		
Strong grey metal	1						bone pans	v	J	9		
Black shale	0		44	1			1	_			1 (	) (
COAL—Harvey Sean	n O	1	11				1				٠,	•
3				9	Λ	51	1					
				Z	U	54	1					
							1					
Seggar	0	2	11				1					
Light grey metal	-	0	11				1					
Black stone	_		7				1					
		•	•				i					
				_			1			_		
Carried forward	_	_		<u></u>	_		Total			5	9 5	3
	- 1	4		Жħ	- 1	U#			•••	•		•

# No. 1,230.—KEPIER.

#### TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 26", Long, 1° 31' 59".

# An Account of Strata sunk through in the Kepier Grange North Pit. January 19th, 1845.

Soil	Fs.		In. 9	Ft.	Ft.	In.	Fa Ft. In. Fa Ft. In. Brought forward 2 1 2 35 3 7
	ő	_	ő				Jointy strong white
Brown clay		4					post 3 4 6
Strong stony clay Freestone	ō		ŏ				1009
Freestone Freestone, jointy, with	v	-	v				Soft blue stone { 0 1 11
a little water	1	2	11				COAL—Brass Thill
Soft grey metal stone	4						Seam 0 1 6
Grey metal stone, with	-	-	·				6 3 10
white post girdles	4	0	8				Thilly grey metal stone 0 2 9
Black slaty stone		ŏ					COAL 0 0 8
Soft dark blue stone	4	_					Thill stone 0 1 9
Soft light blue stone		5					COAL 0 0 4
Jointy grey metal	-	·	٠				0 5 6
stone	3	0	0				Thill stone 0 3 6
Jointy strong grey post		2					Dark grey metal, inixed
Ironstone girdle		ō					with whin 3 4 9
Strong post stone	2	4	ŏ				White post girdle 0 1 10
Dark grey metal		ō	9				Dark grey metal 0 1 9
strong post stone,	·	·	•				Post girdle 0 0 6
jointy	4	0	7				Grey metal 0 2 9
Strong white post	-	•	٠				Post girdle 0 0 6
stone	0	3	0				Grey metal 0 1 0
	_	_					Post girdle 0 0 9
Low Main Seam—							Grey metal 0 1 11
Ft. In.							Post girdle 0 1 3
COAL, rather							Grey metal 0 1 6
splinty 0 3							torey mount in in the 2 o
COAL, good 2 0							Hutton Seam-
COAL, bot-							Ft. In.
tom, rather							COAL 3 10
coarse 0 7							COAL, bot-
	0	2	10				tom 0 5
	·	_	••	~		-	0 4 3
				35	3	7	7 9 9
Soft thill stone	Λ	0	Q				
Soft thill stone Strong thill stone		3					Sump sunk further 4 4 0
Dark grey metal			4				
Dark grey metal Dark blue stone	0		10				
	J	_	10				
Carried forward		1		35	3		Total
Carried forward	2	1	z	ฮอ	3	7	Total

<sup>\*</sup> Approximate sea level (Ordnance &

# No. 1,231.—KIBBLESWORTH.

#### TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 54′ 11″, Long. 1° 36′ 42″.

Boring in a Field, 40 yards West of Occupation Road, leading to the South from the Village of Kibblesworth, and 15 yards North of Railway. November 14th, 1842.

Soil	Ps.	Ft.	In.	Fa.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 28	Ft 0	
Strong blue clay	3	3	0				Dark grey metal	1	0	3		•	
Sand, with water		3	0				Seam	^		_			
Strong clay Grey metal stone	2 1	3	2 9				Seam	0	3	9			
COAL	ō	ĭ						_		_	1	4	0
	_		_	10	3	2	Black stone, mixed						
Grey metal, with grey							with foul coal	0	1	0			
post girdles	1	4	2				Grey metal stone, with						
Brown post, with soft							ironstone girdles	1	4	8			
scaly partings	_	0					COAL, foul	0	1	0			
COAL, foul	0	0	10					_			2	0	8
				4	5	0	Grey metal	0	4	6			
Blue metal	0	4	5				Grey and white post,	U	-	U			
Grey and white post	10	3	5				with water	1	1	0			
with shivery partings		1	7			•	Grey metal stone, with						
Dark grey metal stone			_				post girdles	2	5	1			
with a little water		4	0				77.44. 6						
Grey post, with a little	-	1	3				Hutton Seam-						
Black stone		_	4				COAL 2 10						
COAL, coarse	_	-	6				COAL, brassy 0 3						
•				6	3	6	COAL 1 0						
Grey metal stone	0	3	0				COAL, hard 0 2						
White post, with scaly							COAL 0 4						
partings and a little		_						0	4	7			
water	4	3	4					-	_		5	3	2
Grey metal	0	Z	11				Grey metal				Λ	Λ	
Maudlin Seam-							Grey metal				0	0	4
COAL 0 S							ļ						
COAL, foul,													
mixed with							1						
	ł												
COAL, strong 1 6	1						1						
danty 0 4													
COAL, coarse 1							1						
·	. 0	3	11										
	_			6	1	2							
				_									
Carried fo	)TW9	rd		28	0	10	Total				37	3	0
					•		1			=	==	=	=

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,232.—KIBBLESWORTH.

#### TOWSSELP OF KIRELESWORTH, DUREAU.

# Sheet 6 of Ordnance Map. Lat. 54° 54' 2", Long. 1° 37' 25".

#### Account of Strate sunk through at Robert Pit. Kibblesworth Colliery.

Class	7s.	P.		Pa.	n.	ia.	Parada formad 97 4 7 81
Clay	Õ	3	o				Brought forward 27 4 7 21 5
Grey metal	_	-					Blue metal 1 1 0
COAL	0	1	6				COAL — Mendlin
Fire clay	0	2	2				Seam 0 3 1
Grey metal	2	2					29 z
Grey post	3	4	6				
COAL—5.4 8000	0	3	1				Grey metal 0 3 6
				10	5	5	Low Main Seam-
Cara made	Λ	4	9				COAL 0 10
Grey post	ĭ	3					4
Grey metal	_	4	ŏ				Band 0 2
Grey post	0	3	U				COAL 3 9
Grey metal, with thin	_	_	_				Band 0 4
post girdles	6	5	7				COAL 0 9
COAL—Mais Coal	_	_					0 5 10
Seem	0	4	10				0 0 20
	_		_	11	0	2	1 3
	_	_					Black stone 0 1 0
	0						Grey metal 0 3 3
White post	1		6				White post 0 3 10
Grey metal	0	1					Grey metal post, with
3 <b>.</b>	11	0	7			_	
Grey post	าธ	3	11			•	William and A 1 A
irey metal, with post							Grey metal, with thin
girdles	3	4	2				post girdles 0 5 0
COAL	0	0	9				
Grev metal	1		8				Hutton Seam—
White post	ī	ī	6				Pt. In.
	ō	ō	9				COAL 4 3
Grev metal, with post	٠	٠	•				COAL, foul 0 8
	۰	E	1				0 4 11
girdles	2	5	6				0 4 11
White post, with water	3	4	_				<del></del> 6 1
irev metal	0	0	7				Fire clay 0 2 0
White post, with water	5	3	4				
Grey metal	0	Û	8				
White post, with							White post 0 1 6
scares, grey metal,							1 5
and water	3	4	Û				
irev metal, with post							
girdles	1	1	0				
White post	ō	2	3				
A TIME POSE	·	-	_				
			_		_		m . 1
Carried forward	~77	4	7	71	5	7	Total 61 0

<sup>•</sup> Approximate sea level (Ordnance datum).

#### No. 1,233.—KILLINGWORTH.

#### TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Colour of the Stone and Metal in Killingworth Ground, at the West end of the town. 1694.

Approximate surface level feet above sea (Ordnance datum).

	<b>F</b> 8.	Ft.	In.	Fs.	Ft.	In.	1				Fs.		
First bored white free-		_	_				Brought forward				13	Z	10
stone post	4	0	0				Whin	0	2	6			
COAL	0	1	3		_		Soft blue stone		5	0			
				4	1	3	Strong white post	0	3	0			
Black thill	0	2	0				Black metal, mixed						
Grey metal	0	5	0				with coal	0	8				
COAL, foul, mixed							Grey metal	0	3	0			
with metal	0	1	0				Stiff grey stone	1	5	0			
Grey thill	0	2					COAL, mixed with						
Blue metal stone	2	0	0				metal	0	2	0			
COAL	0	0	1				Blue metal stone	1	0	0			
Grev metal stone	1	0	0				COAL	0	1	0			
White post	4	3	0								18	4	g
COAL	0	0	6				Grey thill	0	2	0			
	_		_	9	1	7	Grey post	0	3	0			
Grey thill	0	2	0			•	Stiff blue metal stone		3	Ō			
Blue metal stone	Ō	5	0				COAL	0	1				
White post	2	Õ	0						_		2	3	8
Whin		ĭ	3				Black thill	0	1	0	_	_	
Grey stone		ō	ŏ				Blue metal stone		4				
Blue metal	3	ŏ	ŏ				=====================================	_	_	_	0	5	(
White post	1	2	ŏ				i				·	۰	٦
··· muc post			_				[						_
Carried forward	9	4	9	13	2	10	Total				85	3	10

# No. 1,284.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Bored in the Millstone Burn, on Killingworth Moor. 1695.

Approximate surface level feet above sea (Ordnance datum).

First bored in free-	Fs. Ft. In. Fs. Ft. In. Brought forward 5 1 8
stone 5 0 0 Blue metal 0 1 0 COAL 0 0 8	White thill 0 1 0 Grey post 1 2 7
Carried forward 5 1 8	Carried forward 1 3 7 5 1 8

# No. 1,234.—KILLINGWORTH.—CONTINUED.

Breight forward					ħ		Brought forward	Ps. 13		
Blue stone, with post				•	-	•	Green metal stone			
girdles							Grey post			
COAL							White post			
	_				2	7	Very strong whin			
White post	2	3	Û		_		Strong white post,			
Grey post							with water	7	2	0
Blue stone	0	5	0				COAL	0	1	3
Grey part	Ú	5	0				Grey thill	0	3	0
White post, with water	4	3	ŋ				•	_		_
Blue metal stone	Ú	5	0							
Carried forward	13	z	- 0	11	4	3	Total			

# No. 1,235.—KILLINGWORTH.

#### TOWYSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Bored on Killingworth Moor, near North Gosforth Moor Gate, or Ryot's to the South-east of the House. 1746.

	Ps.	Pt.	In.	Ps.	PL.	In.		Pa	Pt.	In.
First from the top to							Brought forward	4	4	11
the scaffold	1	0	4				COAL, soft foul			
Boxes sunk in water	15	3	0				Black and grey metal,			
Gravelly clay, mixed							scared with coal	0	1	2
with sand	1	2	8				COAL	0	1	6
Sand and gravel, or							COAL, mixed with			
channel, with water							grey metal	0	0	4
that rose to the top	0	3	6				•	_		
Stony clay and gravel	Ú	3	0				Grey metal, with post			
Grey and brown metal,							girdles		0	0
with catheads	0	3	0				Strong white post,			
COAL, soft foul	0	1	4				mixed with whin	0	3	0
•				19	4	10	Whin	0	2	2
Soft grey and brown							White post, with water			0
sandy metal	1	1	6				Blue and grey metal		1	6
Brown post, with							Blue and grey metal,			
water		3	0				with girdles	1	0	0
COAL			9				COAL, foul, with			
		_		1	5	3	water	0	0	9
Soft grey metal	1	3	6				Black metal, with			
Whin, with water							some small scares of			
Grey metal stone							coal	0	1	0
White and grey post,										
	0	4	5				Grev metal	0	1	0
Soft grey metal								1		0
Carried forward	4	4	11	21	4	1	Carried forward	1	4	0

# No. 1,235.—KILLINGWORTH.—CONTINUED.

							<del> </del>	_					
Brought forward				Fs.			Brought forward			In.			In 5
Blue and black metal				90	J	U		2	J	U	J	J	U
	U	3	v				Grey and white post						
Blue and black metal,	_		_				girdles, with metal	_	_	_			
scared with coal							partings and water	2	0	0			
Grey metal	1	3	0				Grey metal, with post						
Soft white and blue							girdles and water	3	0	0			
metal, mixed with							Grey metal, with some						
	2	0	0				small girdles or cat-						
green Black metal	0	0	6				heads	6	0	0			
COAL	0	1	9				Black stone						
Black metal, with some							Strong grey post						
small scares of coal	0	0	3				Black metal, scared	-	_	-			
	_		_		2	0	with coal	0	1	0			
Grey metal, mixed with				•	_	-	Grey metal						
green, with girdles							G1() 1110001				14	2	0
or catheads	9	•	Λ									_	•
or carneads	2	J	U										
Carried forward	2	3	_	39		5	Total				54	1	5
Carried for ward		J	U	99	U	0	1		•••	=	<u> </u>		

# No. 1,236.—KILLINGWORTH.

#### TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Bored on Killingworth Moor, to the Eastward from the Herd's House about 330 yards, on a Hill called the Short Hadery Knowe. April 29th, 1747.

First of soil and brown	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward				Fs.	Ft.	In.
	O	5	0				Whin, with water					•	Ŭ
Sand, with a siping of	•	٠	·				Grey post		ī	ŏ			
water	0	4	0				Soft blue and grey			-			
Stony clay	ĭ	õ	ŏ				metal	4	0	0			
Sand, with a siping of	-	•	-				Soft black metal			3			
water	0	1	6				COAL						
Soft leafy clay	ì	3	6								۰	2	۸
Stony clay			0								G	_	U
				9	2	0	Soft white metal	1	0	0			
Soft grey and blue										0			
metal	1	1	0				Grey metal Soft grey metal	0	3	0			
F& In.							Soft grey metal, scared						
COAL, soft 0 4							with coal	0	1	6			
Grey metal 0 1											3	0	6
COAL, soft 1 7											0	U	U
·	0	2	0				COAL, soft brassy	O	1	5			
-			_	1	3	0	Black metal, scared						
Soft grey metal	1	3	0				with coal		1				
Grey metal, with gir-							Whitish grey metal	0	1	2			
dles and catheads													
with water	2	1	0				Į.						
Carried forward	3	4		10	- 5	_	Carried forward	0	3	7	22		

# No. 1,236 .- KILLINGWORTH .- CONTINUED.

Brought forward				Fa. 22	PL 1		Brought forward	Fa	FL		5 0 4
Ft. In.							Grey and black metal,				
OAL 1 0							with some small				
rey metal 0 9							coal seams or coal				
OAL 1 0							pipes	0	2	0	
	~		0				Blue and grey metal				
	U	2	9				stone	1	3	0	
	-	-	-	1	0	4	Strong white post,	-	-	-	
oft grey metal	6	7	ò				with whin girdles				
	-		2				or lumps	A	0	0	
rey post	U	2	U				Strong white post,	м		U	
oft grey post girdles,							1000	A	4	6	
with sandy partings		~					COAL		0	•	
and water	2	0	0				Blue and black metal	0	1		
Blue metal	0	4	6	-				U		U	
rey metal, with post							COAL, mixed with		-	*	
girdles	3	0	0				black metal	U	0	7	
trong white post,								=	=	-	0 5 10
with water	1	1	0				Grey metal, with black	-	-	-	
rey metal		3					scamy partings	2	0	0	
Black metal	0	0	3				Grey post, with metal	-	100	-	
COAL, with water	0	2	5				partings		4	6	
				10	9	4	Grey metal stone	0	4	6	
				10	-	*	Blue and black metal,				
rey metal, with whin							scared with coal		1		
girdles	2	3	0				Grey metal	0	1	6	
Blue and black metal,							Strong white post	3	1	0	
with catheads	1	3	0				Whin	0	0	4	
Blue metal, with some							Strong white post	3	0	6	
small girdles	6	0	0				Blue scamy parting,				
Black metal	1	0	0				with some scares of				
Vhin	0	0	8				coal or coal pipes	0	0	4	
Black metal	0	1	0				White and grey post	1		6	
COAL, hard foul,	-	1000	1				Grey metal parting		ō		
with water	0	0	6				Strong white post				
	_	-	_	11	2	2	Grey post				
					-	-	Grey post a	-	*		14 2
				-							
Carried for		3		AR	0	4				-	m 0

# No. 1,237.—KILLINGWORTH.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 57", Long. 1° 33' 10".

Bored on Killingworth Moor, 250 yards North from the Gate that leads from Long Benton to Earsdon. December 15th, 1758.

Soil and stony clay,	Fa. Ft. In. Fa. Ft. In.  Brought forward 3 2 0  Soft grey and blue
with water at the bottom 3 2 0	metal, with girdles and catheads 5 1 0
Carried forward 3 2 0	Carried forward 8 3 0

No. 1,237.—KILLINGWORTH.—CONTINUED.

ight forw		Ft.	R.	In. O	Fa.	Pt.	In.	Brought forward	•	R	la.	25	73	-
k stone, v		0	u	9				Grev metal	0	1	0	_	_	•
		0	3	9				Grey metal stone, with	-	_	_			
•••	•••	ŏ	ŏ	4				strong post girdles	2	9	9			
•••	•••	U	v	•	9	1	1	Grev metal	ō	3	ő			
					ð	•		Black metal, scared	•	•	•			
al		0	1	0					0	1	4			
t		0	4	0				with cost	u	•	•	2	s	
brown p	ost,							Communication	0	1	-6	•	•	
amy parti		3	5	0				Grey metal	ő	4	-			
ullety w								Grey post	"	•	0			
ith water		0	4	6				Black and grey metal.		_				
id grey p		-	_	•				mixed with coel	9		10			
rown and								Grey metal	0	Ú	6			
partings								Grey post	Ú	3	0			
-		3	5	0				Strong white post.						
•••	•••	, 9	_	ıĭ				mixed with whin	0	2	5			
hite post		_ }	_	_				Grey and blue metal.						
•		(O	2	1				with post girdles						
grey sca	my							and water	2	1	6			
•••		0	3	6				Black metal. mixed			_			
al		0	0	9				with coal	0	0	4			
		0	0	4				COAL	ŏ	ŏ	9			
					13	0	1		.,	•	•		_	
				_	19	U	1			_	_	•	2	1
grey m	etal							Grey metal stone	0	4	8			
with post	gir-							COAL	Ú	0	7			
d blue m								Grey metal, with post			•			
		5	3	0				girdles and water	2	3	0			
foul		_	ō	6				Strong white post,	-	_	·			
				8				with water	0	3	6			
		ŏ		ŏ				with water Whin	=					
tal stone hite post	• • • •	ŏ		ŏ				Grey scamy post	0	3	8			
		v	_	U				Discount part	1	3	U			
al stone, v		1	=	0				Blue metal, with cat-	_		_			
irdles		1	5	U				heads	0	•	6			
netal st		^	^					Black metal, mixed	_	_				
with coal		0	0	6				with coal	0		10			
•••	• • •	0	0	8				COAL—34 8eam	0	1	3			
					8	2	4		_			6	4	
-1		^			_	_	_	Grey and blue metal,						
al	•••	0	1	6										
l white p	ost,	_	_	_				with post girdles	_		_			
ater	• • •	3	1	0				Or lumps	2	3	0			
<b>a</b> l	• • •	0	1	6				Grey metal stone, with	_	_	_			
	•••	1	0	0				whin girdles	2	2	0			
al and m	etal							Blue metal, with gir-						
with 1	post							dles or lumps	1	2	0			
		3	1	0				Black metal, with some						
d grey		_	4	6				scares of coal Grey metal	0	0	4			
white p								Grey metal	0	1	6			
with whir		5	5	0				Grey and white post	1	1	Ō			
netal, mi		-	-	-				Whin	0	3	Ŏ			
oal		0	0	4				Strong white post,	-	-	•			
al, with sc		•	9	-				mixed with whin	1	2	0			
at top		0	2	6				Whin and white post			ŏ			
		J	-	O				THY :-	-	4	0			
netal. sci		0	^	c				Strong white post		4	6			
oal			0	6										
•••	• • •	0	0	4				Strong grey metal	0	3	0			
					15	0	2	Black metal, mixed	_	_	_			
1						•	_	with coal at hottom	0	1	0			
			_				_	1			_			
كسك		-	rd		45	3	8	Carried forward	15	4			7	

#### No. 1,237.—KILLINGWORTH.—CONTINUED.

Brought forward			In. Fs. Ft. In. 4 59 3 11	Fs. Fs. Ft. Ft. In. Brought forward 29 4 7 59 3 11
				High Main Seam-
Strong grey metal Strong white post Grey metal	0	1	0.	Black metal,
Grey metal	0	0	9	mixed with Pt. In.
Strong white post	0	3	4	coal 0 3
Strong white post,		-	-	COAL 5 8
mixed with whin		0	0	COAL, with
Black and blue metal				small scares,
Black stone, mixed		-		band, or brass
with coal	0	0	9	lump 0 11
Black and grey metal	0	0	5	Black grey
White post	0	3	0	metal 0 2
Strong post, mixed	-		-	COAL, hard
with whin	6	0	0	brassy 1 0
Strong white and grey				Hard brassy
post, with a mixture				girdle or lump,
of whin girdles and				with coal 0 4
coal pipy partings	1	4	0	- 1 2 4
1 10 1				31 0 11
				In grey metal 0 1 6
Carried forward	29	4	7 59 3 11	Total 91 0 4

# No. 1,238.—KILLINGWORTH.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.  $55^{\circ}$  1′ 12″, Long. 1° 31′ 38″.

Bored on Killingworth Moor, 240 yards South-west from Scaffold Hill, known by the name of Scaffold Hill Hole. 1760.

Approximate surface level 250 feet above sea (Ordnance datum).

Soil and clay	1	Ft. In	)	. Ft.	In.	Brought forward			In.			In.
Sand channel Stony clay Blue grey metal	0	2 (	)			Grey metal and metal						
Stony clay	2	3 (	)			stone, with girdles		1	2			
Blue grey metal	0	3 (	)			Black and grey metal,						
Strong red and brown-						with a small mix-						
ish metal	0	2 (	3			ture of coal	0	1	6			
Grey post, with red						COAL, with water	0	0	9			
and brown scamy							-			5	3	-
partings and water	3	0 (	)			Grey metal stone gir-						
White and brown post,						dles and water		0	0			
with brown cashy						Blue and black metal,						
partings and water						with lumps	1	0	0			
that rose to the sur-						Grey metal stone, with						
face	7	5 (	3			post girdles		4	0			
Coal pipy post						White post, mixed						
Grey post	0	0 9	9			with whin	0	2	0			
COAL	0	0	1			Open post, with water						
	_			2	7				10			
Carried for	ward	1	16	2	7	Carried forward	11	2	0	22	0	-

# No. 1,238.—KILLINGWORTH.--CONTINUED.

Brought forward	Fs. 11	Ft. 2	In. O	Fs. 22	Ft.	In. O	Brought forward	18	2	10	Fs. 53	Ft. 5	In. 8
Black metal, with water	0	0	6				COAL, foul	0	0	3 2			
Greenish grey metal stone, with post							Grey metal	0	3	0	18	3	3
girdles	5	3	0				Grey metal stone	ŏ	ì	ŏ			
White post, with	0	5	9				Grey and white post, with a mixture of						
Whin	ŏ	3	6				whin girdles and						
Strong white post,	^	,					water in some places	4	5	0			
mixed with whin Whin	0	1	6 6				Black grey scamy metal	0	0	4			
Grey post, with black	(0	4	3				Strong white post	3	0	0			
tom		0	3			*	A black grey scamy parting	0	0	4			
COAL	0		10				White post	Ŏ	2	ō			
Grey metal	1	1	9				Grey scamy stone, with						
COAL	0	0	8	22	1	6	post girdles and black scames	0	5	0			
Grey metal	1	1	9				Black grey metal,	_	_				
COAL, foul COAL	0	0	3 5				Blue grey metal	0	3	2			
	_		_	1	2	5	A whin mixture	ŏ	-	9			
Grey metal stone	0	5	0					_		_	10	3	7
White post, with water	0	3	0				Blue grey metal, scared						
Grey metal stone, with girdles or lumps	3	4	0				with coal at the bottom	0	3	0			
White post, with gir-		-					Grey metal stone	ŏ	ŏ	9			
dles and water Whin	1	0	0				High Main Seam-						
White and grey post	ĭ	ŏ	10				COAL Ft. In.						
Black grey metal	0	4	0				COAL, with						
Three-Quarter Seam—							scares of						
COAL Ft. In.							brass and a small danty						
White and							scame at the						
black me-							bottom 0 8						
tal 1 7 COAL 0 9							Grey metal 0 3						
	0	2	11				COAL, mixed						
	_			8	1	9	with grey metal 0 2						
Soft white and grey				-	_	•	COAL, with a						
post	0	1	6				brassy lump						
Grey metal and grey stone, with post gir-							or band at the bottom 1 2						
dles	2	5	0					1	2	0			
A black metal parting	0	0	4							_	1	5	9
Grey metal, with gir- dles or lumps	3	1	0				In blue metal, with small scares of coal						
White and grey post,	Ŭ	•	Ü				(June 14th, 1760;						
with water	5	1	0				rods measured to				_	_	
Grey metal stone gir- dles or lumps	1	3	0				85½ fathoms)				0	1	4
Blue and black metal	1	0	0										
White post Blue metal	1 2	5 4	0										
Diae memi		. <u></u>											_
Carried forward	18	2	10	53	5	8	Total		•••	=	85	1	<u>7</u>

<sup>•</sup> Approximate sea level (Ordnance datum).

# ALLEN ALLENSKIE

#### DIVINED IS LISH BEFORE BIRTHERSELAFT.

#### time & d. ormanes Roy. Lot W. T. W. Long T. H. T.

# Arret in Liberpoorte Birr VI, parte tente "ren ten first Hibertone Hile, known in the market Eugenise Hile. IV.

#### Lipperconnece medical area III dest more un Commune decemb

				<del>-</del>			
40 -	<i>}</i> ,		_	. A.	<b>7.</b>	<u> 14</u>	RRERRE
Been eil	7	1	•				Bengichennet 14 4 3 14 4 9
print. said	-	2	4				Mack next 9 1 0
part and manner							ALS HIS AND DOM:
ATI ARE	1	2	ž	!			ATT AND THERE IS
pull time and busing		_	_				10 2 1 0
Similar.	1	1	4				Ane neral with with
THE NAME AND ABOVE	2	7	3				grades is mings 1 2 0
COAL SING	•	- 1	3				Encir name 1 4 0
Will Live	\$	1	3	•			COAL . 0 0 10
Cambridge Link Herry							<b>—— 20 1 1</b>
gertlen ir natiga	3	ï	3				Encir metal seared
Kura naza	÷	ī	2	•			v:1 === 0 0 4
COAL, mizsi wa							Barne and green metal
Mines Meral	Ġ	÷	4				garates is attitipes 0 5 0
	_		_	• •	3	2	Greg and white past 1 0 0
Berry ner		1					free and white post.
GERT MUSICAL	Ż	2					कार्य के सार्वास्त्रपट वर्ष
Watte grat	1	4	4	ı			with girtles, part-
Meng you mitel							Egy and water 1 0 0
WIA VI	Ý	1					Grey and witte post 1 2 10
A grey making parting	6						partition and water (4 5 2
White with grey year.	1	Ż	4				Caper or Sinia Mais
Kore green year.	4	3					Cosi- P. In
COAL	4	6	7				COAL 5 0
Black 2747 Zerai		1					COAL, be
COAL ward for wary		7					nther fixe 1 0
	_	_		6	1	9	Grey metal 0 4
Grey metal and metal				•	-	•	COAL, forl 0 4
BURE STREET OF COL-							· ·
brade. With water							COAL 0 8 COAL, fool 0 4
Wack werei partings		G	Ģ				
Thready whith		ŏ					Biack metal. mixed with
Quality post, with	-,	•	•				
	1	0	6				coal 0 4
	•	9	J				COAL, fool 1 2
White and grey pat,							1 <b>3 2</b>
with a mixture of							10 4 6
whin girdles or	e		c				In grey metal (June
lumps and water	9	1	0				7th, 1760; measured
Grey metal stone, with		•	_				the rods to 46 fms.
post girdles		3	0				1 ft. 3 in.) 0 0 8
Grey and blue metal	O	4	6				
Carried forward	14	4	3	14	4	9	Total 45 5 0

<sup>\*</sup> Approximate sea level (Ordnance datum).

# No. 1,240.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 1' 47", Long. 1° 34' 3".

Bored in the North-east corner of Mr. Pugh's Ground, to the South-west of Killingworth Hill Head. March 3rd, 1800.

Approximate surface level 200 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fa.	Ft.	In.
Soil				-	-	-	Brought forward						
	1						Whin	0	0	9			
		_		1	1	6	Strong white post, with						
Brown post, with							partings and water	2	0	0			
scamy partings and							Blue metal	-	3	7			
water	3	1	6				COAL	0	2	1			
Blue grey metal	0	2	0					_			8	3	3
White post	0	1	0				White metal	0	1	0			
Grey metal stone	1	0	6				Grey metal, with gir-			11			
Black grey metal	0	2	6				dles	0		1	_	=	
Strong white post	0	1	0				Strong white post,		-	*			
Grey metal stone, with							mixed with whin	0	1	0			
post girdles	1	1	6				Whin	0	3	0			
Grey scamy post, with							Strong white post,	0	0	0			
water	2	0	0				mixed with whin	0	9	0			
Strong white post	0	1	6				White post						
Grey scamy post			0				Grey and blue metal,	U	-38	U			
Blue grey metal	2	5	8				with girdles	0	1	6			
COAL, foul danty	0		4			+	Black slaty metal	0	1	3			
	_	-	-	12	1	6	Grey and blue metal		i	4			
Grey metal			6		-	-	Black metal, mixed	0		*			
			4					ō	0	17			
Grey metal	ŏ	2	6				with coal or foul coal	0	0	7	7	0	0
White and grey post,	~	~	0				Green motel with six				-	U	2
with water †	1	4	8				Grey metal, with gir-	0	0	^			
Soft blue grey metal			9				dles White post	9	3	0			
COAL, mixed with		~					Chan motal	0	0	9			
black metal	0	0	9				Grey metal						
Mack metal		0	0	4	0	6	Black metal			7			
The second second				-	0		Strong white post	U	3	6			
Grey metal and post	-						Grey metal and metal	0		0			
girdles	2	4					stone	2	4	6			
White post	0	4	6				Blue and black metal,						
Grey and blue metal,							with a mixture of						
with girdles		0					coal at the bottom	0	-	0			
COAL	0	1					Grey metal stone	0		0			
Hard lump or girdle	0	0	2				White post	0	2	0			
Black slate, mixed							Grey metal stone, with						
with coal	0	0	3				girdles		4				
	-	_	-	5	4	4	Blue and black metal	2		0			
Grey metal	1	0	6				COAL	0	0	4		- 0	-
Blue and black metal		1						-	_	_	13	4	2
Grey and blue metal		0	0				Grey metal, with gir-						
Grey girdly stone, with	-	0	0				dles	2	1	6			
metal partings and							Grey scamy post, with						
distant to the same of the sam	9	4	0				partings	0	3	0			10.
White post, with water							1 110						
in mice post, with water	-	0	0	-							_		_
Carried forward	5	9	10	23	1	10	Carried forward	2	4	6	59	3	5
Carried 101 Ward		-	10	20	-	10	Cultica Lot Wald	-	-	-	-	-	-

<sup>†</sup> This post at the surface in Seghill Towngate.

<sup>\*</sup> Approximate sea level (Ordnance datum).

#### No. 1,240.—KILLINGWORTH.—CONTINUED.

Brought forward Blue metal, with gir-	2	Ft. 4	In.	Fs. 52	Ft.	In.	Fs. Ft. In. Fs. Ft. In. Brought sorward 5 4 10 52 3 5 High Main Seam—
dles and water	2	5	5				Pt. In.
Blue metal	0	0	2				COAL, hard
COAL	0	0	5				coarse 2 0
Hard dark grey danty							COAL 3 0
slate or band, with	-	5					COAL, slaty 0 9
a mixture of coal	0	0	4				coal, foul slaty, with small bands
							of metal 1 0 9
							- 10 9 6 5 7
							Black grey metal 0 0 9
Carried forward	5	4	10	52	3	5	Total 59 3 9

Note.—The Upper Main Coal Seam is found to be about 44 fathoms 2 feet in depth at Seghill Hall in the Towngate and 5 feet in thickness.

#### No. 1,241.-KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 1' 42", Long. 1° 34' 24".

Strata sunk through at the Engine or A Pit, Killingworth Colliery.

Approximate surface level 200 feet above sea (Ordnance datum).

0.0 -1.1-			Ft.		Fs.	Ft.	In.	D14 61	Fs.	Ft		Fa.		-
Soil and clay	444	8		0				Brought forward	0		11	19	5	10
COAL		0	1	3	2		- 1	Blue metal	1	5	0			
		_		_	8	1	3	Whin girdle	0	2	6			
Grey metal		0	4	0				Blue metal and whin						
Grey post girdle		0	0	8				girdle	0	5	0			
Grey metal		4	0	0				COAL	0	0	4			
Grey post, mixed w		-	7	-				m				3	9	9
		0	3	0				Grey metal	7	1	8	9		
whin	597					-		Comment	4	-				
Post	***		1					Grey post	0	2	4			
Black metal	***	0	1	6				Blue metal	0	2				
Ft	In.							COAL	0	0	4			
COAL 0	9								_	_	_	2	0	7
Black metal 0	8							Grev and blue metal,						
	8							with girdles	1	4	0			
	-	0	3	1				Blue metal	0		8			
		U	U	*	8	1	3	0041			10			
		_	-	_	0	T	9	COAL	U		10		1	
Grey metal	***		0					~		-		2	4	0
Strong blue stone	***	2	1	0				Grey thill	0	1	6			
COAL		0	2	4				Strong grey post	1	2	0			
de la constante de la constant				_	3	3	4	Grev metal	0	4	6			
Grey metal		0	2	5	-		-	COAL, slaty, mixed						
			0	6				with black metal	0	2	6			
COAL	***	0	0	0				WILL DINGE INCOME	-	-	0			
Carried forwa	n-l	0	2	11	19	5	10	Carried forward	2	4	6	28	2	8
Carried forwa	ru.	0	4		10		40	Carrage and mark			-	-	-	-

# No. 1,241.—KILLINGWORTH.—CONTINUED.

Brought forward	2	4	6	Fs. 28	Ft.	In. 8	Brought forward Fs. Ft. In. Fs. Ft. In. 77 3 10
erey thill	0	0	8				Grey metal 0 2 0
COAL, slaty	0	2	0				Grey post 1 0 0
				3	1	2	Grey and blue metal 0 4 0
	-	-	-		*	~	White post 0 3 0
Grey post, with {			2	_			Grey and blue metal,
whin ?	0	3	4				with whin girdles 1 1 6
Grey metal and strong							Black stone 1 0 0
girdle	1	3	0				COAL 0 2 6
COAL	0	0	6				5 1 0
Blue metal	0	1	2				White post 1 0 0
COAL	0	0	4				Grey metal and post
Grey post, with metal							girdles 0 5 0
girdles	3	1	8				Whin and white post 1 2 6
Ft. In.							Blue metal and post
COAL 0 2							girdles 2 4 6
Thill 0 4							Blue metal 0 3 0
Band 0 4							Blue metal 0 2 0
200	0	0	10				Black metal 0 0 9
Grey and blue metal,	9	7	200				COAL 0 0 9
with post girdles	3	3	0				7 0 6
COAL	0	2	6				Grey thill 0 4 0
and the same	_	_	-	11	2	6	Blue metal 0 4 0
m -11	-	-	-		-	-	White post 3 2 0
Thill	0	0	6				Black metal 0 0 6
Grey metal, with post	-	-	-				004
girdles	2	0	0				COAL 007
Soft blue metal	6	0	5				
White post	7						Grey metal 0 0 10
	0		0				Grey post 2 4 6 Grey metal 0 4 0
	4		4				Grey metal 0 4 0
Black metal		4	0				Black metal 0 1 8
COAL	0	0	8				Grey and white post
Grey thill and whin							and metal partings 1 0 0
girdles	1	0	0				Grey and blue metal 0 5 0
Soft blue metal	1	0	0				Black metal 1 4 6
Black metal	0	3	0				COAL 0 1 0
COAL	0	0	3				7 3 6
	-	-	_	23	3	2	Grey metal 0 5 7
Grey metal	0	4	0				White post and metal
White post and whin	0	-					0 4 0
-1-11	2	3	0				Francisco de la constante de l
Grey metal and girdles	0	2	0				High Main Seam—
Black metal, mixed	v	2	v				Ft. In.
	0	5	0				COAL, top 0 4
	0		0				COAL, clean 6 11
Soft grey metal	1	3	0				COAL, bot-
Grey metal							tom 0 8
COAL	0	1	6				Thill 1 0
	_	-	_	6	3	6	COAL 3 0
Grey and blue metal	0	1	0				— 1 5 1½
White post	1	2	0				
	0	í	0				
COAL	0		10				
	0	1	10				111 2 2 2
Grey metal and post	2	2	0				111 1111
COAL	0		0				
COAL	0	1	0		0	10	711
			-	9	4	10	Blue metal 0 2 2
					6	-	

<sup>\*</sup> Approximate sea level (Ordnance datum).

# SL 1241.—KILLINGWORTH.—CONTINUED.

hhhhh Inspirinser 5 4 3113 5 14	Brought forward 164 0
Ken in her	Thail 0 1 4
Rh	Rive stone 1 1 0
COAL 1 1	Post girdles 2 0 0
Thil 1 5	Post 243
COAL 2 5	Rack stone 0 1 4
- + + •	Post 0 2 0
	Elack stone 1 4 8
Zmi 4 3 0	, Post 130
**************************************	9 5
COAL—Stee Coal	S-1 184 A
· + 1 6 - 4 1 0	Sunk 174 0
PmI 1 6	.  Boring made from the
Past, mixed with white 1 5 6	
Mari stone 1 5 0	Stone Drift level, close to the bottom
Marit stone and white	of A Pit, March
zirdes 3 5 6	104A, 1966—
Marie stone 1 2 0	White and grey post 5 4 0
COAL 0 0 5	Whin 0 5 7
Thal _ 0 1 5	Post 1 2 6
COAL	Whin 020
That 0 1 5	Post 1 2 1
Black stree 2 0 4	Grey metal 0 4 9
Blue status 1 4 8	Post 0 3 0
Wingirdias 138	Whin 1 0 1
Blanck storme () 3 7	Post 0 2 9
CONT-194 (98	Whin 0 1 0
Seam 0 3 6	Post 011
16 3 4	Grey metal 0 4 4
That 0 1 11	Post 9 5 0
Past 0 4 4	Grey metal 0 1 2
Einsch storne 1 1 5 COAL 0 1 0	Post 0 2 4
COAL 0 1 0 2 2 8	Grey metal 0 4 10 Post 0 1 4
To 3	6
COAL 0 3 6	D
1 1 6	Whin 0 1 9
Riack stone 2 5 2	Post 1 5 0
Bine stone 4 2 8	Whin 0 1 0
Black stone 0 0 6	Post 2 3 4
Bensium Seum-	Whin 0 1 2
R b	Post 1 1 6
COAL 3 0	Whin 026
Band 0 4	Post 0 1 9
COAL 2 0	Grey metal 2 2 0
— 0 5 <b>4</b>	l <b>-</b> -
8 1 8	Hervey Seam-
Thill 0 4 2	COAL, good,
Black stone 0 2 2	makes a good
COAL 0 0 4	cinder (got
Blue stone 1 2 2 Whin 0 2 0	July 14th, Ft. In.
<u> </u>	1866) 3 2 COAL corre 0 5
	COAL, coarse 0 5 0 3 7
Grey girdles 1 0 6	
	Grey metal, with a
Blue stone 0 2 10	hard ironstone girdle
COAL — Low Main	2 ft. 2 in. from the
Seam 0 2 10	top
Carried forward 164 0 111	Total

#### No. 1,242.-KIP HILL.

#### TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

Bored at Kip Hill, in Mr. Davison's Ground. June 21st, 1727.

Approximate surface level feet above sea (Ordnance datum).

Soil and brown girdle	Fs.	Ft.	In	Fs.	Ft.	In.	Brought forward				Fs.		
stone	0	5	0				Blue metal, etc				a		10
Strong stone, with		-	-				COAL, foul-Brass	~	-	~			
whin							Thill Seam	0	3	9			
Grey post, etc	3	0	0				22 12 12 12 12 12 12 12	-		-	6	0	0
White post, etc., with water near the bot-							Metal, mixed with coal Metal and stone, and	4	0	0			
tom	3	5	0				water	1	3	0			
COAL, with water							Metal	0	3	0			
and the same of the same of	_	_	-	9	1	10	Metal, with coal	0	5	3			
Grey metal	2	0	0				Metal		0	5			
Whin mixture (the							Metal		1	0			
water went away)	0	1	6				Metal, with water						
Whin	2	0	0				COAL—Hutton Seam	3	0	0			
White post	1	0	0					-	-	-	10	2	8
							Grey metal				4	0	0
Carried forward	5	1	6	9	1	10	Total		***		29	4	6

#### No. 1,243.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 5' 49", Long. 1° 56' 15".

First place bored at Kirkheaton Estate, about 50 yards to the West of Bog Hall. 1763.

Approximate surface level 595 feet above sea (Ordnance datum).

Soil and yellow clay				Fs.	Ft.	In.	Brought forward 5 4 2 4 2 0
Gravel and sand, with water Blue stony clay Grey metal, with scares of coal	2	5	0				COAL, foul 0 3 COAL, foul, scared with grey metal 0 11
Grey metal stone Brown and grey scamy post	0	5	6	4	2	0	Black grey metal, mixed with coal 0 5 COAL, with
Grey post, with metal partings Blue grey metal	0	4	0				scares 0 3 Black grey metal, scared with coal 0 2
							COAL 2 0 0 4 0 6 2 2
Carried forward	5	4	2	4	2	0	Carried forward 10 4 2

# No. 1341 - KIRKHEATON. - CONTINUED.

Browning invested 1 1 2 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Pa Pa In In Pa In
Ze 1 344 - E	IRKHEATON.
Market of Excess	NOS. SOSSETEMBELAND.
Short of 25 Ordnonce Map. L	s. , Long.
• •	nduni, et Tirkheston Estate. et above sen (Ordnance datum).
Sui and the Sand and gravel, with water In strong stany they, with which the	Pr. Pr. In. Pr. Pr. In 0 4 6 0 3 6 4 5 0 6 1 0
Treal	<u>6 1 0</u>
No. 1.245.—KI	
	_

Sheet TS of Ordnance Map. Lat.	, Long.
Third place, about 30 yards fro	m the second.
Approximate surface level feet above	sea (Ordnance datum).
Svil and clay In strong stony clay, with whin tumblers	0 3 n 6 1
Total	

#### No. 1,246.—KIRKHEATON.

#### TOWNSHIP OF KIRKHRATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map.	Lat.	-	, Long.
Fourth place, about	yards	South	from the third.
Approximate surface level	feet a	bove s	sea (Ordnauce datum).
Soil and brown stony clay In blue stony clay			Fa. Ft. In. Fa. Ft. In 1 0 0 12 0 0 13 0 0
Total	•••		13 0 0

#### No. 1,247.—KIRKHEATON.

#### TOWNSHIP OF KIRKHBATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 6′ 8″, Long. 1° 56′ 42″.

Fifth place, at Blythside, about 100 yards East from the Ford.

Approximate surface level 560 feet above sea (Ordnance datum).

Soil and gravelly clay Sand and gravel, with				Fs.	Ft.	In.	Brought forward 4 2 0 5 1 10 Grey metal stone 0 5 0
water Stony clay	0 8 0	0 2 1	9 3 4				White and grey post, with strong girdles, scamy partings, and
Brown post stone Stony clay Whin tumbler	0	- 1	0				water 3 1 0 Black grey metal
Stony clay	<u> </u>	Ö	3	5	1	10	stone 1 5 8 In strong white and
Grey metal stone Brown and grey post, with metal partings	0	4	0				grey post 0 2 6 10 4 5
and water	8	4	0				
Carried forward	4	2	0	5	1	10	Total *16 0 (

<sup>\*</sup> Approximate sea level 464 feet below this.

#### No. 1,248.—KIRKHEATON.

#### DOWNSHIP OF EXECUTATOR, ROBSECTED AND.

Sheet 75 of Ordnance Map. Lat. 55° 5' 55", Long. 1° 56' 2".

#### Sixth place, about 350 yards to the Sarth-east from Bog Hell.

Approximate surface level 550 feet above sea (Ordnance datum).

						Ps.	R	h. I	LR:	in.
Soil						 0	1	0		
Stony clay						 1	0	9		
Sand and gr	avel,	with we	ster			 0	2	0		
Stony clay Sand and gr In strong st	OBT el	av. wit	ers	 10	2	3				
	•	•							2 0	0
										_
			Total					*1	20	_0

<sup>\*</sup> Approximate sea level 508 feet below this.

### No. 1,249.—KIRKHEATON.

#### TOWNSHIP OF KIRKHRATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. , Long.

Account of the Strata sunk through at Kirkheaton Colliery, Northumberland.

Approximate surface level 60 feet above sea (Ordnance datum).

	Ps.	PL.	In.	Ps.	Dr.	In.	Fr. Ft. In. Fr. Ft. In.
Outset	0	5	0				Brought forward 0 5 0 8 0 1
Soil and clay	1	1	0				Very strong white post,
Blue metal	1	0	1				with pebbles 4 3 7
Limestone, with part-							Stone and coal 0 1 4
ings and water	3	4	0				Ft. In.
Dark metal stone							COAL, kiln 0 10
COAL, splint at top	0	1	0				COAL, fine 1 8
• •			_	8	0	1	0 2 6
Dark thill stone	0	5	0				6 0 5
0-1161	_	_	_	_		_	m.,
Carried forward	U	5	U	8	0	Ţ	Total 14 0 6

#### No. 1,250.—KIRKWHELPINGTON.

TOWNSHIP OF KIRKWHELPINGTON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 9' 9", Long. 2° 0' 26".

ed at Kirkwhelpington Lead Mine, from the bottom of the present Pit.

May 19th, 1829.

Approximate surface level 560 feet above sea (Ordnance datum).

gravel st l water l, with water estone, with whin, with st of shaft to e Drift al grey metal, post girdles ittle water al, with post and water	2 2 4 7 2 0	1 1 3 0 0 2 1 2 4	0 0 0 0 6 0 0 6 44 7	19	Ft.	In. 0	Brought forward Black post. with water Grey post	3 0 0 2 1 0 1 0 0	1 4 2 0 0 0 4 0 3 2 1 0 2 0 0	9 2 6 8 6 11 8 1 0	Fa. 19	Ft. 8	In. 0
 ied forward	0 3	2 1	9	19	3	<u> </u>	Total			•	-83	4	10

<sup>•</sup> Approximate sea level 357 feet below this.

#### No. 1,251.—KNITSLEY.

TOWNSHIP OF CONSIDE AND ENITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. , Long.

Boring on the South Side of Knitsley Bottoms. 1828.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In. Fs. Ft. In.		Fs.	Ft.	In. Ft. Pt. In.
al, with water	_	_	_	Brought forward	8	8	2
st girdles	1	2	4	Strong white post, with coal pipes and			
al stone	1	1	5	with coal pipes and			
rt, with whin				water	1	0	11
1	0	5	5	Grey metal stone	0	5	4
ried forward	3	8	2	Carried forward	5	8	5
							0.0

#### No. 1,251.—KNITSLEY.—CONTINUED.

				Fa.	Ft.	In.	Fs. Ft. In. Ft. Pt. In
Brought forward	5	3	5				Brought forward 4 1 4 13 3 16
Strong grey post, with							Soft blue metal 0 3 3
partings and water	1	4	9				Grey metal, with post
Dark blue metal stone	2	3	2				girdles 1 0 10
Grey metal stone, with							Mild white post, a
post girdles	0	3	3				whin girdle 24 in-
Fire clay	0	3	6				ches in entering and
Light blue metal	0	1	8				water 0 5 9
COAL	0	o	7				Dark grey post gir-
	_	-	-	11	9	4	dles, with soft part-
Grey whin	0	2	3	-	2	-	ings and water 0 4 3
Grey metal stone, with	v	-	0				Blue metal stone.
	0	0	10				Commence of the Commence of th
white post girdles							with dark grey post
Blue grey metal stone							scares 1 5 4
Black stone, with coal	0	O	9	-		-	Dark grey whin, with
	-	_	_	2	1	6	water 0 0 8
Grey metal stone, with	13	-					White post girdles,
white post girdles		3	3				with soft partings
Mild white post		3					and catheads 2 1 5
Fine grey metal stone		1					Fine blue metal stone 0 2 0
Mild white post	0	3	0				Strong white whin,
Grey post, with whin							with water 0 0 101
and partings	2	0	7				12 1
Grey post girdles, with							
water and soft part-							
ings	0	2	6				
	_	-	0				
Carried forward	A	1	A	13	2	10	Total 25 5
Carried forward	-	*	-	10	0	10	Total 25 5

# No. 1,252.—KNITSLEY.

TOWNSHIP OF CONSIDE AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 49' 29", Long. 1° 50' 20".

Account of the Boring at Knitsley High House, at the front of the Garden. By Thomas Maddison. May 13th, 1829.

Approximate surface level 768 feet above sea (Ordnance datum).

Soil and clay Fs. Ft. O 3 Dark blue grey metal	In. Fs. Ft. In.	DI 11.111 0 0 0	Fs. Ft. In. 5 4 9
stone, with water 3 5 Black coal and stone 0 2	0 5	COAL 0 4½  Black and blue thill 0 7  COAL 0 5	
	- 5 4 9	- 0 1 4	0 2 0
Carried forward	5 4 9	Carried forward	6 0 9

#### No. 1252.—KNITSLEY.—CONTINUED.

Brought forward	Fs. Ft. In. Fs. Ft. In. 6 0 9 Brought forward	Fs. Ft. In. Fs. Ft. In. I 5 1 1 6 0 94
Grey thill	0 1 7 Blue grey metal stone	
Grey metal stone		
Blue grey metal stone		
Black and blue metal,		
with coal White and yellow post, with dark	0 0 4	9 1 7
SCATES	8 0 3	
Carried forward	5 1 1 6 0 9½ Total	<u>*15 2 44</u>

<sup>\*</sup> Approximate sea level 675? feet below this.

#### No. 1,253.—KNITSLEY.

#### TOWNSHIP OF CONSIDE AND ENITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 49′ 31", Long. 1° 50′ 16".

Third hole bored on the East Side of the High House Farm at Knitsley.

June 30th, 1829.

Approximate surface level 754 feet above sea (Ordnance datum).

Brown slaty freestone				Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs. 4	Ft.	In.
Dark grey slaty free- stone, with water Blue grey metal stone							Grey metal stone, with hard girdles Blue grey metal	1	0	0			
Black stone, with hard girdles COAL							Dark grey post gir- dles, with water Ash coloured free-						
	_		_	8	0	6	stone, with metal partings Scamy white post,	2	0	2			
Grey thill Grey metal stoue Light blue metal stone	0	8	4				mixed with whin						
Light blue metal stone COAL	0	3 0	6 6				Dark grey post girdle Dull white coloured	0	0	8			
	_		_	1	3	10	freestone	2	5	8	10	1	10
Carried for	Wai	ď		4	4	4	Total			•	15	0	2

<sup>\*</sup> Approximate sea level 664 feet below this.

#### No. 1,254.—KYO.

#### TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

An Account of the Strata bored through in Kyo Heugh, Lanchester Common, from the Shield Row Seam, in Francis Robinson's Landsale Pit; bored at the expense of Geo. Silvertop, Esq.

Approximate surface level feet above sea (Ordnance datum).

	Fz.	Pt.	In.	Fs.	Ft.	In.	i	Fa.	FŁ.	In	Pa	Pt. In
COAL, foul 1 0					-		Brought forward	7	2	5	6	0 i
Thill 0 6							Soft grey metal	1	1	3		
COAL, coarse, and slate 2 0							Seam	0	4	5		
	0	3	6								9	2
	_		_	0	3	6	Soft thill	0	2	6		
Thill and blue stone	2	0	0				COAL	0	0	1		
**** *	Õ		10				Brassy thill (close)	0	4	6		
	Ö						COAL, foul	Ō	Ō	5		
~ *	ŏ	3 1	4				,			_		
		ō	6				1	_		_	1	1
	~	0					Thill	0	2	6		
COAL, foul			3				Grey thill	0	2 3	1		
	0	3	4 2				Green post	0	4	6		
COAL, slaty	0	0	z				Blue metal stone	0	4	8		
				5	3	5	Green post	1		Ō		
							Whin	Ō		10		
Brassy thill stone	0	1	8				Grey stone	1	1	6		
Green post	3	3	0				Blue stone	ō	ī	ŏ		
Grey stone and strong							COAL-Brass Thill	•	_	_		
green girdles			6				Seam	0	4	9		
Soft thill stone	0	5	3					•	-	•	_	
										_	5	1
0	_			_		_					_	
Carried forward	7	2	5	6	U	11	Total				22	0

Note.—The fine coal at top only wrought in Shield Row Seam; no ground coal taken up.

#### INDEX.

N.B.—Names of Coal Seams and other beds are in italic. The same name often applies, according to locality, to more than one Seam.

Abbot's Close and Greenhead, 108. Algernon Pit, Holywell Colliery, 252. Alnwick, 110. Allwick, 110.

Allston, 162.

Amble Lane End, Hauxley, 174.

A Pit, Garesfield Colliery, 75.

A Pit, Killingworth Colliery, 314.

Ash Tree Colliery, Garesfield, 74.

Ash Pit, Hartford Colliery, 148.

Andrea Castle, 116. Aydon Castle, 116. Aydon East Field, Halton, 116. Aynsley's House, Farnacres, 8. Ballarat Seam, 108, 277.
Bank Head, Heddon-on-the-Wall, 186. Bannamoor, Houghterslaw, 263. Berlow Fell. Garesfield, 74. Darlow Fell, Caresneld, 74.

Barlow Field Seam, 74.

Barlow Fell Seam, 74.

Barn Field, Houghall, 262.

Barony, 82, 107.

Bates' Hartley, 151.

Bates' Pit, East Holywell Colliery (Boring 19.55) in), 255. Beamish, Hedley Moor, 204. Bearsmouth, Hareshaw, 140.

Beaumont Seam. 6, 12, 24, 63, 70, 91, 94, 172, 209, 238, 293. Bedburn, 108. Bensham Seam, 23, 72, 87, 91, 93, 161, 168, 185, 237, 248, 254, 255, 256, 258, 260, 280, 283, 316. Benwell Main Coal Seam, 293, 294. Biddick, Harton, 162. Biggin Road, Hamsteels. 125. Bill Quay, Heworth. 234. Bishop Middleham. 77, 137, 138. Bishop Wearmouth, 270. Blackburn Cottages, Hamsteels, 121. Blackburn, Hamsteels, 125. Black Hill Seam or Scremerston Main Coal, 17, 52, 81. Blakestone, Hardwick, 136. Blakey's West Field, Heddon, 193. Blossom Pit, Hetton Colliery, 225. Blythside, Kirkheaton, 319. Blyth Windmill, Kirkheaton, 318.

Blue Well Outburst, Fugar House, 69. Bog Hall, Kirkheaton, 317, 320. Boat House, Harbour House, 133. Bog House, Heworth, 230. Bolam, 73. Boldon, 163-165. Bored below the Brockwell Seam, 105, 120. Boundary Pit, Harraton Outside Colliery (Boring in Staple at), 146. (Bornig in Staphe ac), 120.

Bowrigge, Hareshaw, 140.

B Pit, Hebburn Colliery, 181.

Brass Thill Seam, 60, 61, 64, 96, 103, 183, 288, 290, 297, 298, 299, 302, 317. Brinkburn Ironstone Shale, Forest Burn, Brockwell Seam, 12, 36, 75, 76, 92, 94, 105, 120, 128, 141, 203, 272—275, 278, 279, 285. Broom Bridge, 54-56. Brown Ridge Hill, 54. B Seam. Job's Hill, 285. Bulman Coal or Bulman Main Coal Seam, 18, 81, 111 Burnhope and Hamsteels, 109, 117-128. Busty Seam, 60, 62, 64, 108, 120, 216, 218, 273, 279, 285, 300, 301. Bute Pit. Garesfield Colliery, 76. Butsfield, 277. Cannel Coal, Inkermann, 277. Cator House Pit, Framwellgate Moor Colliery, 63. Catherine Pit. Fatfield Colliery, 13. Chapel Pit, Gateshead Park Colliery (Boring in), 81. Charlton, East, 140. Chirton, 41—49, 266—269. Chopwell A Pit, Garesfield Colliery, 75; Bute Pit, 76.

Clifford House, Hamsteels, 117, 118. Clinty Ford, Hedley, 201 Close House Boundary, Heddon, 192. Close House Gardens, 187. Cocken Ford, Harbour House Moor, 134. Cockshotts, Heworth, 234. Conside and Knitsley, 269. Cooper-Eye Seam, 17, 18, 111.

Cowey's Farm, Hedley, 200. C Pit, Heaton Colliery (Boring in), 180. C Pit, Hebburn Colliery, 183, 184. Crook and Billy Row, 145, 146. Crow Coal Seam, 52, 107.

Dan's Castle, Inkermann, 277.

Dean or Engine Pit, Gosforth Colliery (Boring in), 86.

Deep Pit, Jarrow Colliery, 280.

Delaval Pit, Hartley Colliery, 159.

Denton Low Main Seam, 92, 94.

D Pit, East Holywell Colliery, 255.

D Pit, Jesmond Colliery, 282.

Diamond Seam, Greenlawalls, 110.

Dryburn Grange Pit, Framwellgate Moor Colliery, 63.

Duddo, 110.

Durham Hill, Greencroft, 101, 104.

East Flatts, Harton, 165.
Easington, 173.
East Hetton or North Pit, Kelloe Colliery, 289.
East Holywell, 253—259.
East Howle, 35, 36.
East Kenton Colliery, 294.
East Pit, Gosforth Colliery, 90.
East Ward, Gateshead, 81.
Edward Pit, Hedley Hope Colliery, 203.
E or Deep Pit, Jarrow Colliery, 280.
Eglingham, 263.
Eight-Yard Limestone, 56.
Elvet, 262.
Engine Pit, Fawdon Colliery (Boring in), 48.
Engine Pit, Flatworth Colliery, 67.
Engine Pit, Gosforth Colliery, 169.
Engine Pit, Heswell Colliery, 169.
Engine Pit, Kepier Colliery, 225.
Engine Pit, Kepier Colliery, 297.
Engine Pit, Kellingworth Colliery, 314.
E Pit, Heaton Colliery (Boring in), 179.
Esp Green, Greencroft, 102.

Fallowfield, 1, 2.
Fallowfield Seam, 2.
Fanny Pit, Gosforth Colliery, 90.
Farnacres, 3—12.
Fatfield, 13.
Fatfield Stables Farm House, Harraton, 147.
Fawdon, 14—17.
Felkington, 17, 18.
Fell End Pit, 19.
Felling, 19—24.
Felling Hall, 22.
Felling Bank, Greencroft, 106.
Fenwick Pit, East Holywell Colliery, 257.
Ferryhill, 25—37.
Field House Farm, Hepscott, 213.
Findon Hill, 37.

First Pit, Fourstones Colliery, 57.
First Pit, Garesfield Colliery (Boring in), 74.
Fishburn, 38—41.
Five-Quarter Seam, 9, 13, 23, 29, 32, 37, 39, 52, 75, 76, 83, 91, 93, 108, 184, 170, 185, 200, 209, 221, 227, 237, 248, 254—256, 258, 260, 261, 265, 271, 274, 285, 286—289, 291, 292, 295, 296, 304.
Flatts (The), Farnacres, 10.
Flatworth, 41—49.
Flatworth Farn, 46, 47.
Flatworth Farn, 46, 47.
Florence Pit, Kepier Colliery, 300.
Folly Hill, 51.
Ford, 52—56.
Forest Burn, 56.
Fortune Pit, Heaton Colliery (Boring in), 177.
Foulbridge, 57.
Four Lane Ends, Ferryhill, 33.
Fourstones, 57.
Four Lane Ends, Ferryhill, 33, 134.
Framwellgate, 58—68, 133, 134.
Framwellgate, 58—68, 133, 134.
Framwellgate Head, 58.
Framwellgate Hoor, 58—65.
Frances Pit, Kenton Colliery, 293.
Frankland Engine Pit, 67.
Frankland Engine Pit, 67.
Frankland Park Pit, 65.
Frankland Pit, 66.
Fugar House, 69, 70.
Fulwell, Hylton, 275.

Gallowgate, 70, 71. Gallowhill, 73. Garesfield, 73—76. Garmondsway, Moor, 77—80. Gateshead Park, 81. Gatherick, 80. Gibside, 82. Gibson's Ovens, Hunwick, 273. Gibson Pit, Hunwick Colliery, 274. Golden Hole, Hartley, 150. Gordon Gill, 82. Gosforth, 83—94. Gosforth Church, 94. Gouldness Hole, Hartley, 150. Grange, 95—97. Great Limestone, 1, 2. Greencroft, 98-107. Greenfield, 107. Greenhead, 108. Greenland, 109. Greenlawalls, 110. Green's Farm House, Holywell, 249. Greensfield Moor, 110. Grey Mare, 111—114. Grey Mare House, 113. Grey Seam, 159, 161, 259. Grindon, 135, 136. Ground Coal, 90, 93, 235. Gunnerton Fell, 115.

INDEX. 327

Haddrick's Mill, Gosforth, 83.	Hill Close Field. Ferryhill, 35
Halfway Pit, Fallowfield Colliery. 1.	Hill Head, Killingworth, 313.
Hallowell, 245. 246.	Hodge Seam, Iveston, 278.
Halton, 115—117.	Holborn, 239—242.
Haltwhistle, 19.	Holborn Dean, 230.
Hamsteels, 109, 117—128.	Holborn Grange, 241.
Hamsterley, 129—132.	Holland Bush, 242.
Hand Coal Seam, Iveston. 279.	Holmside Common, 243 ~245.
Harbour House, 133.	. Holystone Hole, Killingworth, 312.
Harbour House Moor, 134.	Holywell, 245261.
Hard Coal Seam, 324.	Holywell Bridge, 247.
Hardwick, 135—139.	Hope's New House, Crook, 145.
Hardy or Stony Coal Seam, 17, 110.	Horse Race (The), Hedley, 201.
Hareshaw, 140.	Houghall, 262.
	Houghterslaw, 263.
Harlow Hill, 142—145.	Houghton-le-Spring, 263.
	Houghton Pit. 263.
	Howden, 266.
Harraton Outside Colliery, 146.	Howdon, 266—269.
	i Hawdon Dock, 266.
11m dey, 130 101.	Howdon ie wear, 141.
Atalwey Duru, 102.	FROM MINI A SELS. 2073.
Hartley Main Seam, 158.	Hownes Gill, 269.
Hartley Stone Coal, 248, 254, 258,	Humbledon Hill, 270.
Harton, 162—168.	Hunwick and Helmington, 271 - 275.
Harvey Seam, 36, 61, 64, 70, 97, 147, 209, 916, 917, 985, 990, 300, 301, 316	Hutton Scam. 12, 13, 31, 33, 36, 60, 61, 64-66, 96, 103, 133, 171, 216, 217,
216, 217, 285, 290, 300, 301, 316. Haswell, 168—173.	228, 238, 262, 265, 290, 297-300, 302,
Hauxley, 174, 175.	301, 317.
Hayhole, 44, 45.	Hylton. 275—277.
Heaton, 176—181.	Lighton, 270—277.
	Inkermann, 277.
Hebburn, 181—185. Heddon Banks, 186, 190, 192, 193, 195.	Ironsides, 3.
196, 197.	Iveston, 275.
Heddon-on-the-Wall, 186-198.	270,000,000
Heddon Reigh, 187, 190.	Jarrow, 280, 281.
Hedley, 199, 200. 204-206.	Jesmond, 282, 283.
Hedley Fell, 201.	Jet Coal Seam, Farnacres, 9.
Hedley Hill, 202.	Job's Hill, 294.
Hedley Hope, 202, 203.	John Pit, Felling Colliery (Boring in). 24.
Hedley Moor, 204.	John Pit, Heworth Colliery, 235.
Hedley Town, 199.	•
Hedworth, Monkton, and Jarrow. 151-	Kelloe, 286—292.
184, 280, 281.	Kenton, 292—296.
Helme Park, 207.	Kenton Main Coal Seam, Fawdon, 14.
Helmington Kow, 284.	Kenton Town Gate, 14.
Hepscott, 208—214.	Kepier, 297-301.
Herdley, 215.	Kepier Grange, 3/12.
Hester Pit, Hartley Colliery. 160.	Kibblesworth, 303, 304.
Hett, 215—217.	Killingworth, 305—316.
Hetton, 219—230.	Kip Hill, 317.
Hetton-le-Hole, 218—230.	Kirkh-aton, 317-320.
Heworth, 19-24, 230-239.	Kirkwhelpir 20m. 321.
Heworth Shore, 230.	Kritisley, 321—323.
High Crook. Fishburn, 38.	Kultaley Bettems, 321.
High Downs, Hetton, 229.	Knibley High House, 322
High Flatworth, 42, 43.	Ky5, 324.
High Heworth, 230.	L. In ICs. Consolowelle
High House, Knitsley, 322, 323,	Lady Fit, Greenlawalls
High Main Seam, 23, 24, 155, 159, 159,	Lamesley, 69. 70.
161, 150, 154, 233, 296, 244, 259 254.	Lancher
256, 255, 261, 300, 311, 314, 315.	Lane
High Main Waste, S. Co. SS.	Layt
High Old House, Ferrylal, 35.	Lee ' Lim
High Pit, Ferryhill Buring Inj. 26.	

Link Sand, Hauxley, 174. Little Coal Seam, 9, 277. Little Limestone, 1, 2, 19. Lobley Hill, Farnacres, 3. Lower Busty Seam, 273. Low Grange, 97. Low Grange, 97.

Low Hedley Hope Farm House, 203.

Low Main Scam, 6, 12, 13, 23, 32, 35, 59, 61, 64, 68, 72, 87, 91, 93—96, 103, 153, 161, 171, 185, 209, 216, 217, 228, 238, 249, 254, 257, 259—262, 265, 280, 284, 288, 290, 297, 298, 302, 303, 304, 316. Long Benton, 176, 308-312.

Madhouse, Gallowgate, 70. Madnotse, Gallowgate, 70.

Main Coal Seam, 13, 21, 27, 37, 39, 52, 81, 83, 103, 106, 108, 138, 141, 157, 159, 167, 170, 176, 182, 203, 221, 227, 235, 263, 265–267, 271, 274, 275, 278, 285, 288, 289, 292, 304. Main or Bulman Coal Seam, Felkington, 18. 18.

Main Post, 15, 49, 89, 90, 93, 153, 158, 159, 167, 176, 184, 236, 248, 250.

Margaret Pit, Heddon Colliery, 198.

Marshall Green Drift Seam, Hargill, 141.

Mary Pit, Gosforth Colliery, 89.

Maudlin Seam, 11, 13, 228, 265, 289, 303.

Medomsley, 129—132.

Metal Coal Seam, 71, 86, 90, 93, 149, 153.

Medomsley Lane, 129.

Metal Coal Seam, 71, 86, 90, 93, 149, 153, 158, 159, 167, 184, 236, 248, 254—256, 258, 261, 280, 316.

Mexico Pit, Farnacres Colliery, 7.

Middle Field, Farnacres, 8.

Middlemas' Farm, Hedley, 199.

Middle Pit, Jesmond Colliery, 283.

Mill Pit, Hartley Colliery, 156.

Millstone Burn, Killingworth, 305.

Milton House Royalty, Hamsteels, 128.

Minor Pit, Hetton Colliery, 227.

Moor Pit, Hedley Moor, 206.

Mussel Scalp, 153, 157.

Newbiggin Stone Coal Seam, Kenton, 296. New Houses, Farm Buildings, Greencroft, New Hunwick Shaft, Hunwick Colliery, 274.

New Pit, Felkington Colliery, 17. New Pit, Flatworth Colliery, 49. New Pit, Harraton Outside Colliery, 147.

New Pit, Heaton Colliery, 176. New Pit, Howdon Dock, 266.

New Pit, Howdon Dock, 266. New Pit, Kelloc Colliery, 291. New Pit, Kepier Colliery, 298. New Winning, East Holywell Colliery, 253. New Winning, Gosforth Colliery, 96. New Upcast Shaft, Harraton Outside Col-

New Upcast Shart, Harraton Outside Col-liery, 148.
Nightingale Pit, Hartley Colliery, 152.
No. 1 Shaft, West Hunwick Colliery, 273.
No. 1, or Towneley Seam, Iveston, 278.
No. 2 Shaft, Kepier Colliery, 300.
North Broomy Close, Kenton, 292.

North-East Field, Harton, 164. Northernmost Shaft, Harbour House, 133. North Field Bog, Heddon, 188. North Gosforth Moor Gate, 306, North Pit, Gosforth Colliery (Boring in), 83, North Pit, Kelloe Colliery, 289. North Pit, Kepier Colliery, 302. North Sunderland, 50, 51. Norwood, Farnacres, 8, 9, 10. Norwood Lane, 7.

Oakwood Seam, Fallowfield, 2. Old Engine Pit, Kepier Colliery (Boring near), 299 Old Paper Mill, Hett, 217. Old Pit, Framwellgate Moor Colliery, 59. Old Windmill Shaft, Holborn, 242. Ouseburn, Gosforth, 88.

Paper Mill, Hett, 217.
Peru Sinking Pit, Farnacres Colliery
(Boring in), 6. Plessy Seam, 209; Portobello, Fatfield, 13. Prosperous Pit, Farnacres Colliery (Boring in), 10. Providence Pit, Gordon Gill, 82.

Quarry Close, Holywell, 246. Quarry House, Gallowgate, 71 Quebec Cottages, Hamsteels, 119, 120. Quebec, Hamsteels, 127.

Railway Tavern, Crook, 145. Ray Grass Close, Farnacres, 7. Reigh (The), Heddon, 187, 190. Richard Pit, Heddon Colliery, 192. Robert Pit, Kibblesworth Colliery, 304. Rothbury, 56.
Roughlee Farm House, Ferryhill, 32.
Rudds Hill, Ferryhill, 32.
Ryot's Farm, Killingworth, 306. Ryton, 239.

Sadler's Tile Works, Hayhole, 45. St. Andrew's, 71. St. Giles', 95—97, 297—302. Salters Bridge, Gosforth, 88.
Saugh House, Flatworth, 44.
Scaffold Hill Hole, Killingworth, 310.
Scremerston Main Coal Seam, 17, 52, 81.
Scremerston Seam, Holborn, 242. Sca Bank, Hartley, 151. Scaton Delaval 153. Second Holystone Hole, Killingworth, 312. Second Pit, Fawdon Colliery, 16. Second Pit, Henton Colliery (Boring in), 178 Sedgefield, 137. Seaton Delaval, 153, 155, 156, 160. Seaton Red House, Hartley, 155. Seventy Fathom Coal, 48, 182. Seventy Fathoms Post, 167, 176, 247.

Shadfen, Hepscot, 214.

Shaft in Town Street, Kenton (Boring in), 295. Shafto's Plain, Hamsterley, 129. Shield Row Seam, Findon Hill, 37. Shilbottle Seam, Forest Burn, 56. Shire Moor, 41. Short Hadery Knowe, Killingworth, 307. Shotton, 168. Six-Quarter Seam, 23, 168, 185, 201, 237, 248, 254, 256, 280. Six-Yard Limestone, 56. Skelton's House, Ferryhill, 34.
Smith's House, Harlow Hill, 142.
Softley's Field, Heddon, 190.
South Field House, Hamsterley, 129.
South Gosforth, 83—94. South West Field, Harton, 163. Spen, Garesfield, 73. Spen, Garesfield, 73.

Splint Coal, Grange, 96.

Spring Gardens, Gallowgate, 71.

Sprucely Farm House, Hardwick, 137.

Stone Coal Seam, 9, 10, 23, 72, 74—76, 87, 91, 93, 185, 237, 248, 254, 256, 258, 261, 280, 316.

Stonehouse's Field, Hardwick, 136.

Stony Coal Seam, Felkington, 17.

Stony Gate, Heworth, 233.

Sunderland Water Works, Humbledon Hill, 270. 270. Sunk below Brockwell, 92, 94. Sunnyside Pumping Engine Shaft, Iveston Colliery. 278. Tanfield, 317

Tanfield, 317,
Taylor Pit, Hamsteels Colliery, 128.
Team, Farnacres, 8.
Ten-acre Field, Greencroft, 102.
Ten-Quarter Stone, 18.
Three-Quarter Seam, 18, 22, 75, 76, 88, 89, 111, 170, 177, 225, 264, 279, 286, 287, 289, 291, 292, 309, 311.
Thinford Borehole, 35.
Thinford Lane, Ferryhill, 25, 34.
Third Pit, Fawdon Colliery, 17.
Third Pit, Heworth Colliery (Boring in), 238.
Thrislington Colliery, Ferryhill, 32.
Thorp Leazes, Hardwick, 135, 136.
Throckley Engine, Heddon, 189.
Tile Sheds, Hamsteels, 122—126.
Tile Sheds, Hepscott, 212.
Tilley Coal Seam, 74—76, 278.

Tommy Whinney's Grove, Howden, 266.

Top, or B Seam, 285.

Top, or Upper Busty Seam, 273.

Towneley Seam, 76, 241, 278.

Tow Law, 202.

Town Street, Kenton, 295.

Trial Pit, Farnacres Colliery (Boring in), 10,

Twenty-two Inch Coal, Greencroft, 98.

Upper Main Coal Seam, 178, 235. Upper Noble Main Coal, 312.

Venture Pit, Felling Colliery, 22 (Boring in), 24. Victoria Seam, Hargill, 141.

Wagon Way Drift, East Kenton Colliery (Boring in), 294.

Washing Dike Pit, Howdon Pans (Boring in), 268.

Weaver's Close, Kenton, 296.
West Auckland, 107.
Wester Coal Seam, Felkington, 18.
West Field House, Holywell, 246.
West Hartford, 148.
West Holywell, 259—261.
West House, Hedley Moor, 205.
West Hunwick Colliery, No. 1 Shaft, 273.
West Kenton, 296.
West Pasture Estate, Harton, 163—165.
West Pit, Gosforth Colliery, 92.
Wheels Pit, Farnacres Colliery, 11.
Whickham, 3—12, 82.
Whickham Stone Coal, 9, 10.
Whin Pit, Hartley Colliery, 149.
Whitburn, 164.
Whittefield Gate, Hedley Fell, 202.
White Hall, Holmside, 243.
White House, Halton, 116.
Whittonstall, 111—114.
Windmill Shaft, Holborn, 242.
Winlaton, 73, 74.
Witton-le-Wear, 140, 141.
Wolsingham, 207.
Woodwell House, Grange, 95.

Yard Coal Seam, 23, 72, 91, 93, 108, 152, 158, 159, 161, 168, 185, 237, 248, 255, 256, 258, 260, 261, 280, 283, 316.

•

•

.

•





